

THE
WEEKLY WEATHER REPORT

OF THE
METEOROLOGICAL OFFICE

FOR THE YEAR

1884

(NEW SERIES)

CONTAINING

SYNOPTIC CHARTS,

AND

DESCRIPTIVE SUMMARIES OF THE WEATHER FOR EACH DAY;

ALSO

TABULAR SUMMARIES OF TEMPERATURE, RAINFALL, AND
BRIGHT SUNSHINE, FOR EACH WEEK.

Published by the Authority of the Meteorological Council.



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REPORT OF THE

COMMISSIONERS OF THE

LAND OFFICE

1880

ALBANY, N. Y.

THE LAND OFFICE OF THE STATE OF NEW YORK, under the direction of the COMMISSIONERS, has the honor to acknowledge the receipt of the following report, viz:

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PREFACE.

THE enlargement of this Report to quarto form has allowed of an increase in the size of the daily charts which it contains, and of the addition of a new daily chart showing the distribution of pressure and wind for 6 p.m.

Several new columns have been added to the Table on the first page of each Report, giving the values for accumulated temperature, rainfall, and bright sunshine for the whole interval since the beginning of the year.

The general arrangement of the Report is as follows:—

LIST OF DISTRICTS.

For the purpose of this Report the United Kingdom is divided into 11 Districts, which are shown on the accompanying map, distinguished by the numbers 0 to 10. The positions of the stations supplying information are marked on the map by black dots, and their names are given in the following list arranged under the districts to which they belong:—



METEOROLOGICAL DISTRICTS.

0. SCOTLAND, N.—Sumburgh Head, Stornoway, Wick.
1. SCOTLAND, E.—Nairn, Aberdeen, Leith.
2. ENGLAND, N.E.—Alnwick Castle, Shields, Scarborough, York, Spurn Head.
3. ENGLAND, E.—Hillington, Yarmouth, Geldeston, Cambridge, Rothamsted.
4. MIDLAND COUNTIES.—Bawtry, Loughborough, Leicester, Cheadle, Churchstoke, Hereford, Cirencester, Oxford.
5. ENGLAND, S.—London, Marlborough, Strathfield Turgiss, Dungeness, Hastings (St. Leonard's), Southampton, Hurst Castle.
6. SCOTLAND, W.—Laudale (Loch Sunart), Glasgow, Ardrrossan, Sillith (Cumberland), Douglas (Isle of Man).
7. ENGLAND, N.W.—Newton Reigny (Penrith), Barrow-in-Furness, Stonyhurst, Blackpool, Manchester, Liverpool Observatory (Bidston), Llandudno, Holyhead.
8. ENGLAND, S.W.—Llandovery, Pembroke, Arlington (N. Devon), Culmpton, Falmouth, Plymouth, Prawle Point.
9. IRELAND, N.—Malin Head, Londonderry, Mullaghmore, Belmullet, Markree Castle, Brookeborough, Armagh, Donaghadee, Edgeworthstown.
10. IRELAND, S.—Dublin, Parsonstown, Kilkenny, Waterford, Roche's Point, Valencia, Killarney, Foynes.

Besides the stations above named, there are two in the Channel Islands, (1) Scilly (St. Mary's) and (2) Jersey (Noirmont), which cannot be conveniently placed in any of the Districts.

TEMPERATURE.

The Summary gives for each week and each District the absolute *maximum* and *minimum*, the averages of both the daily extremes, the daily mean, and its difference from the mean of the corresponding period as derived from observations of 20 years, 1861–80, together with the values for Accumulated Temperature above and below 42° F.

DAILY MEAN TEMPERATURE.

The daily mean Temperature shown in the Tables is no longer the simple arithmetical mean between the daily maximum and minimum, but is calculated from these with reference to the varying relation found to subsist, from month to month, between the true mean temperature of the day derived from 24 hourly observations, and the means of the daily maxima and minima for a series of years at Greenwich and the seven self-registering Observatories.

The approximate mean daily temperature in any month is found by multiplying the *difference* between the observed maximum and minimum by the proper coefficient, shown in the following Table, and adding the product to the observed minimum:—

Months.	Coefficient.
January. December.	0·520
February. November.	0·500
March. October.	0·485
April. September.	0·476
May. August.	0·470
June. July.	0·465

Example:

The mean maximum temperature for a week in December being - - - 48°·1

The mean minimum - - - - - 39°·3

The difference is - - - - - 8°·8

This difference 8°·8 × 0·520 (the coefficient for December) = 4°·6.

This product when added to the mean minimum, 39°·3, gives 43°·9, the required mean daily temperature of the week.

ACCUMULATED TEMPERATURE.

The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show for each week, and for the whole period from the commencement of the year, the weekly and progressive values respectively of the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard or *base temperature*. The base adopted

is 42° F., as being nearly equivalent to 6° C., which has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point.

The Accumulated Temperature is expressed in Day-degrees; a Day-degree signifying 1° F. of excess or defect of temperature above or below 42° F. continued for 24 hours, or any other number of degrees for an inversely proportional number of hours.

It has been ascertained, by calculation from a considerable series of hourly observations at various places, that the accumulated temperature may be computed, with a very tolerable approximation to the truth, from the observed daily maximum and minimum temperatures alone.

When the temperature during any period remains either wholly above or below the base temperature, the difference between the base and the mean temperature gives the correct accumulated temperature. In other cases this difference gives an approximate value of the accumulated temperature which does not depart greatly from the truth, the deviation depending on the greater or less extent of the variations of the temperature above or below the base. Further, since the mean between the maximum and minimum of any day is nearly equal to the mean temperature of the day, the difference of the mean of the maximum and minimum from the base will also give, directly, a fair approximation to the accumulated temperature for the day.

The following rules supply a still closer approximation to the true values sought, and they have been adopted for the preparation of the Tables in the Report. They may be applied to any other base temperature as well as to 42° F., with the slight modification of the numerical coefficients mentioned below.

RULES for computing for a WEEKLY PERIOD the ACCUMULATED TEMPERATURE above or below 42° F. from the observed MAXIMUM and MINIMUM.

1. Obtain the mean temperature, from the means of the seven observed maxima and minima, in the manner already described for daily values.
2. In obtaining the accumulated temperature four cases may occur, to which the following rules will apply:—

Conditions of Temperature.	To obtain the Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is <i>above</i> 42° F. or <i>equal</i> to 42° F. -	Subtract 42° F. from the mean.	There is none.
If the minimum is <i>below</i> 42° F., but the mean for the day is <i>above</i> 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum multiplied by the coefficient 0·4.
If the mean or the day's is <i>below</i> 42° F., but the maximum is <i>above</i> 42° F.	The required quantity is the excess of the maximum over 42° F. multiplied by the co-efficient 0·4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is <i>below</i> 42° F., or <i>equal</i> to 42° F. -	There is none.	Subtract the mean from 42° F.

In each of the above cases the result will be the average daily value for the week, and must be multiplied by 7 in order to obtain the value for the whole week.

The coefficient varies with the duration of the period and with the base temperature.

The coefficient above given, in Rule 2, is for a weekly period, and for the base temperature 42° F. The following are its values for other base temperatures, viz., for 32° F., 0·4; for 52° F., 0·33; for 62° F., 0·25.

A full explanation of the principles on which these rules are based will be found in Appendix II. to the Quarterly Weather Report for 1878.

RAINFALL.

The Summary gives for each week and each District the number of rainy days, the total fall of rain, and the difference between this amount and the mean for the corresponding week in the 15 years 1865-80, as well as the corresponding values reckoned from the commencement of the year.

BRIGHT SUNSHINE.

The Summary gives for each week and each District the numbers of hours of sunshine recorded, and the percentage of that time to the whole time the sun is above the horizon; also the corresponding values reckoned from the commencement of the year.

APPENDIX I.

This contains (1) Summaries for each Quarter and for the whole year of the Temperature and Rainfall records for each District, and (2) Tables giving for each district the monthly values for Rainfall, Accumulated Temperature for the seven years 1878-84, and Bright Sunshine (1880-84), with means for the whole period, as well as the progressive values for each from the commencement of the years.

APPENDIX II.

This consists of Tables similar to those forming the second part of Appendix I., but the values are for each week in the several years.

Tables A. and B. give the data for calculating the monthly and weekly percentages of Bright Sunshine. The reciprocals of the total numbers of hours are given to facilitate computation.

TABLE A.—SHOWING FOR EACH DEGREE OF LATITUDE, FROM 49° N. TO 58° N., THE TOTAL NUMBER OF HOURS DURING WHICH THE SUN IS ABOVE THE HORIZON, IN EACH MONTH OF THE FOUR QUARTERS OF THE YEAR.

(The Values are calculated for the Mean Declination for the Four Years 1877-80, and for Apparent Time, without any allowance for Refraction, &c.)

PERIODS OF FOUR AND FIVE WEEKS.	DEGREES OF LATITUDE.																			
	58°		57°		56°		55°		54°		53°		52°		51°		50°		49°	
	No. of Hours.	Reciprocals.	No. of Hours.	Reciprocals.	No. of Hours.	Reciprocals.	No. of Hours.	Reciprocals.	No. of Hours.	Reciprocals.	No. of Hours.	Reciprocals.	No. of Hours.	Reciprocals.	No. of Hours.	Reciprocals.	No. of Hours.	Reciprocals.	No. of Hours.	Reciprocals.
Jan. 1 to Jan. 28 -	195	*0051	201	*0050	209	*0048	213	*0047	218	*0046	222	*0045	226	*0044	230	*0043	236	*0042	241	*0041
Jan. 29 to Feb. 25 -	251	*0040	253	*0040	257	*0039	260	*0038	263	*0038	267	*0037	267	*0037	270	*0037	274	*0036	275	*0036
Feb. 26 to Apr. 1 -	405	*0025	405	*0025	409	*0025	408	*0025	408	*0025	408	*0025	409	*0024	409	*0024	410	*0024	410	*0024
Apr. 2 to Apr. 29 -	398	*0025	395	*0025	392	*0026	390	*0026	389	*0026	387	*0026	385	*0026	382	*0026	382	*0026	381	*0026
Apr. 30 to May 27 -	457	*0022	450	*0022	446	*0022	442	*0023	440	*0023	434	*0023	430	*0023	427	*0023	424	*0024	420	*0024
May 28 to July 1 -	617	*0016	611	*0016	601	*0017	593	*0017	586	*0017	579	*0017	573	*0017	567	*0018	562	*0018	557	*0018
July 2 to July 29 -	480	*0021	475	*0021	467	*0021	463	*0022	456	*0022	452	*0022	447	*0022	443	*0023	439	*0023	435	*0023
July 30 to Aug. 26 -	429	*0023	425	*0024	422	*0024	418	*0024	417	*0024	412	*0024	409	*0024	407	*0025	405	*0025	402	*0025
Aug. 27 to Sept. 30 -	447	*0022	446	*0022	446	*0022	445	*0022	444	*0023	443	*0023	442	*0023	440	*0023	440	*0023	440	*0023
Oct. 1 to Oct. 28 -	284	*0035	288	*0035	288	*0035	291	*0034	293	*0034	295	*0034	295	*0034	297	*0034	298	*0034	299	*0033
Oct. 29 to Nov. 25 -	225	*0044	228	*0044	231	*0043	235	*0043	241	*0041	243	*0041	247	*0040	251	*0040	253	*0040	257	*0039
Nov. 26 to Dec. 30 -	227	*0044	233	*0043	242	*0041	248	*0040	258	*0039	263	*0038	269	*0037	274	*0036	280	*0036	286	*0035

N.B.—The periods February 26—April 1, May 28—July 1, August 27—September 30, and November 26—December 30, consist of five weeks each; the other periods are of four weeks each.

TABLE B.—SHOWING FOR EACH DEGREE OF LATITUDE, FROM 49° TO 58° N., THE TOTAL NUMBER OF HOURS DURING WHICH THE SUN IS ABOVE THE HORIZON, IN EACH WEEK OF THE YEAR.

(The Values are calculated for the Mean Declination for the Four Years 1877-80, and for Apparent Time, without any allowance for Refraction, &c.)

Weeks Ending		Degrees of Latitude.																					
		58°		57°		56°		55°		54°		53°		52°		51°		50°		49°			
		Number of Hours.	Reciprocals.	Number of Hours.	Reciprocals.	Number of Hours.	Reciprocals.	Number of Hours.	Reciprocals.	Number of Hours.	Reciprocals.	Number of Hours.	Reciprocals.	Number of Hours.	Reciprocals.	Number of Hours.	Reciprocals.	Number of Hours.	Reciprocals.	Number of Hours.	Reciprocals.		
January	7	-	-	45	·0222	47	·0213	49	·0204	50	·0200	52	·0192	53	·0189	54	·0185	55	·0182	56	·0179	58	·0172
"	14	-	-	47	·0213	49	·0204	51	·0196	52	·0192	53	·0189	54	·0185	55	·0182	56	·0179	58	·0172	59	·0169
"	21	-	-	50	·0200	51	·0196	53	·0189	54	·0185	55	·0182	56	·0179	57	·0175	58	·0172	60	·0167	61	·0164
"	28	-	-	53	·0189	54	·0185	56	·0179	57	·0175	58	·0172	59	·0169	60	·0167	61	·0164	62	·0161	63	·0159
February	4	-	-	57	·0175	58	·0172	59	·0169	60	·0167	61	·0164	62	·0161	62	·0161	63	·0159	64	·0156	65	·0154
"	11	-	-	61	·0164	61	·0164	62	·0161	63	·0159	64	·0156	65	·0154	65	·0154	66	·0152	67	·0149	67	·0149
"	18	-	-	65	·0154	65	·0154	66	·0152	67	·0149	67	·0149	68	·0147	68	·0147	69	·0145	70	·0143	70	·0143
"	25	-	-	68	·0147	69	·0145	70	·0143	70	·0143	71	·0141	72	·0139	72	·0139	72	·0139	73	·0137	73	·0137
March	4	-	-	73	·0137	73	·0137	74	·0135	74	·0135	74	·0135	75	·0133	75	·0133	75	·0133	76	·0132	76	·0132
"	11	-	-	77	·0130	77	·0130	77	·0130	78	·0128	78	·0128	78	·0128	79	·0127	79	·0127	79	·0127	79	·0127
"	18	-	-	81	·0123	81	·0123	81	·0123	82	·0122	82	·0122	82	·0122	82	·0122	82	·0122	82	·0122	82	·0122
"	25	-	-	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118
April	1	-	-	89	·0112	89	·0112	89	·0112	89	·0112	89	·0112	88	·0114	88	·0114	88	·0114	88	·0114	88	·0114
"	8	-	-	93	·0103	93	·0103	93	·0103	92	·0109	92	·0109	92	·0109	91	·0110	91	·0110	91	·0110	91	·0110
"	15	-	-	98	·0102	97	·0103	96	·0104	96	·0104	95	·0105	95	·0105	95	·0105	94	·0106	94	·0106	94	·0106
"	22	-	-	102	·0098	101	·0099	100	·0100	99	·0101	99	·0101	98	·0102	98	·0102	97	·0103	97	·0103	97	·0103
"	29	-	-	105	·0095	104	·0096	103	·0097	103	·0097	103	·0097	102	·0098	101	·0099	100	·0100	100	·0100	99	·0101
May	6	-	-	109	·0092	108	·0093	107	·0093	106	·0094	106	·0094	105	·0095	104	·0096	103	·0097	103	·0097	102	·0098
"	13	-	-	113	·0088	111	·0090	110	·0091	109	·0092	109	·0092	107	·0093	106	·0094	106	·0094	105	·0095	104	·0096
"	20	-	-	116	·0086	114	·0088	113	·0088	112	·0089	111	·0090	110	·0091	109	·0092	108	·0093	107	·0093	106	·0094
"	27	-	-	119	·0084	117	·0085	116	·0086	115	·0087	114	·0088	112	·0089	111	·0090	110	·0091	109	·0092	108	·0093
June	3	-	-	121	·0083	120	·0083	118	·0085	117	·0085	115	·0087	114	·0088	113	·0088	112	·0089	111	·0090	110	·0091
"	10	-	-	123	·0081	122	·0082	120	·0083	118	·0085	117	·0085	116	·0086	114	·0088	113	·0088	112	·0089	111	·0090
"	17	-	-	124	·0081	123	·0081	121	·0083	119	·0084	118	·0085	116	·0086	115	·0087	114	·0088	113	·0088	112	·0089
"	24	-	-	125	·0080	123	·0081	121	·0083	120	·0083	118	·0085	117	·0085	116	·0086	114	·0088	113	·0088	112	·0089
July	1	-	-	124	·0081	123	·0081	121	·0083	119	·0084	118	·0085	116	·0086	115	·0087	114	·0088	113	·0088	112	·0089
"	8	-	-	124	·0081	122	·0082	120	·0083	119	·0084	117	·0085	116	·0086	114	·0088	113	·0088	112	·0089	111	·0090
"	15	-	-	121	·0083	120	·0083	118	·0085	117	·0085	115	·0087	114	·0088	113	·0088	112	·0089	111	·0090	110	·0091
"	22	-	-	119	·0084	118	·0085	116	·0086	115	·0087	113	·0088	112	·0089	111	·0090	110	·0091	109	·0092	108	·0093
"	29	-	-	116	·0086	115	·0087	113	·0088	112	·0089	111	·0090	110	·0091	109	·0092	108	·0093	107	·0093	106	·0094
August	5	-	-	113	·0088	111	·0090	110	·0091	109	·0092	109	·0092	107	·0093	106	·0094	106	·0094	105	·0095	104	·0096
"	12	-	-	109	·0092	108	·0093	107	·0093	106	·0094	106	·0094	105	·0095	104	·0096	103	·0097	103	·0097	102	·0098
"	19	-	-	105	·0095	105	·0095	104	·0096	103	·0097	103	·0097	102	·0098	101	·0099	100	·0100	100	·0100	99	·0101
"	26	-	-	102	·0098	101	·0099	101	·0099	100	·0100	99	·0101	98	·0102	98	·0102	98	·0102	97	·0103	97	·0103
September	2	-	-	98	·0102	97	·0103	97	·0103	96	·0104	96	·0104	95	·0105	95	·0105	94	·0106	94	·0106	94	·0106
"	9	-	-	94	·0106	93	·0108	93	·0108	93	·0108	92	·0109	92	·0109	92	·0109	91	·0110	91	·0110	91	·0110
"	16	-	-	89	·0112	89	·0112	89	·0112	89	·0112	89	·0112	89	·0112	88	·0114	88	·0114	88	·0114	88	·0114
"	23	-	-	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118	85	·0118
"	30	-	-	81	·0123	82	·0122	82	·0122	82	·0122	82	·0122	82	·0122	82	·0122	82	·0122	82	·0122	82	·0122
October	7	-	-	77	·0130	78	·0128	78	·0128	78	·0128	79	·0127	79	·0127	79	·0127	79	·0127	79	·0127	80	·0125
"	14	-	-	73	·0137	74	·0135	74	·0135	75	·0133	75	·0133	75	·0133	75	·0133	76	·0132	76	·0132	76	·0132
"	21	-	-	69	·0145	70	·0143	70	·0143	71	·0141	71	·0141	72	·0139	72	·0139	73	·0137	73	·0137	73	·0137
"	28	-	-	65	·0154	66	·0152	66	·0152	67	·0149	68	·0147	69	·0145	69	·0145	69	·0145	70	·0143	70	·0143
November	4	-	-	62	·0161	62	·0161	63	·0159	64	·0156	65	·0154	65	·0154	66	·0152	67	·0149	67	·0149	68	·0147
"	11	-	-	58	·0172	59	·0169	59	·0169	60	·0167	61	·0164	62	·0161	63	·0159	64	·0156	64	·0156	65	·0154
"	18	-	-	54	·0185	55	·0182	56	·0179	57	·0175	59	·0169	59	·0169	60	·0167	61	·0164	62	·0161	63	·0159
"	25	-	-	51	·0196	52	·0192	53	·0189	54	·0185	56	·0179	57	·0175	58	·0172	59	·0169	60	·0167	61	·0164
December	2	-	-	48	·0208	49	·0204	51	·0196	52	·0192	54	·0185	55	·0182	56	·0179	57	·0175	58	·0172	59	·0169
"	9	-	-	46	·0217	47	·0213	48	·0208	50	·0200	52	·0192	53	·0189	54	·0185	55	·0182	56	·0179	57	·0175
"	16	-	-	45	·0222	46	·0217	48	·0208	49	·0204	51	·0196	52	·0192	53	·0189	54	·0185	56	·0179	57	·0175
"	23	-	-	44	·0227	45	·0223	47	·0213	48	·0208	50	·0200	51	·0196	53	·0189	54	·0185	55	·0182	56	·0179
"	30	-	-	44	·0227	46	·0217	48	·0208	49	·0204	51	·0196	52	·0192	53	·0189	54	·0185	55	·0182	57	·0175

TABLE C.—REPORTS RECEIVED TOO LATE FOR INSERTION IN THEIR PROPER PLACES.

No. of Report.	For Week ending	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall. (Amounts in tenths of an inch.)			Bright Sunshine.	
			Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
					Of Highest each day.	Of Lowest each day.	For whole of the day.						
			°	°	°	°	°			Inches.	Inches.		
1	January 7 -	Glasgow - - - -	50	27	42·7	36·1	39·4	+ 1·1	6	1·42	+0·35	0	0
2	" 14 -	Glasgow - - - -	50	34	47·2	40·4	43·9	+ 5·7	6	0·76	-0·33	2	4
"	" " -	Plymouth - - - -	53	37	50·8	40·7	45·7	+ 3·4	3	0·10	-0·92	7	12
3	" 21 -	Sumburgh Head - - -	49	35	47·6	40·6	44·2	+ 5·0	6	0·97	+0·13	"	"
4	" 28 -	Llandudno - - - -	54	34	47·6	38·4	43·2	+ 1·4	6	1·94	+1·29	?	?
5	February 4 -	Sumburgh Head - - -	48	27	43·0	32·1	36·7	- 2·4	6	1·94	+1·12	"	"
"	" " -	Stornoway - - - -	50	28	44·6	32·1	38·5	- 0·6	7	1·78	+0·69	8	14
"	" " -	Foynes - - - -	55	33	50·4	36·6	43·5	+ 2·2	6	0·64	?	"	"
6	" 11 -	Sumburgh Head - - -	45	32	43·6	36·0	39·8	+ 0·8	7	0·94	+0·13	"	"
"	" " -	Stornoway - - - -	41	31	44·6	35·6	40·1	+ 1·0	7	1·94	+0·91	8	13
"	" " -	Jersey (Noirmont) - - -	50	37	47·4	41·1	44·3	+ 2·0	4	0·55	-0·15	17	25
7	" 18 -	Sumburgh Head - - -	47	35	43·9	36·9	40·4	+ 1·4	5	0·37	-0·43	"	"
8	" 25 -	Sumburgh Head - - -	46	35	44·1	36·1	40·1	+ 1·1	6	0·62	-0·17	"	"
9	March 3 -	Sumburgh Head - - -	43	31	41·3	32·9	37·0	- 1·9	7	0·62	-0·09	"	"
"	" " -	Llandudno - - - -	47	32	43·0	34·2	38·5	- 4·4	3	0·35	-0·15	12	16
10	" 10 -	Sumburgh Head - - -	46	34	42·9	36·3	39·5	+ 0·6	7	1·54	+0·89	"	"
11	" 17 -	Sumburgh Head - - -	54	32	48·3	38·0	43·2	+ 4·1	4	0·39	-0·21	"	"
"	" " -	Llandudno - - - -	68	30	57·0	44·8	50·9	+ 7·4	1	0·07	-0·37	22	27
12	" 24 -	Sumburgh Head - - -	49	32	45·1	36·3	40·6	+ 1·2	7	0·86	+0·26	"	"
13	" 31 -	Sumburgh Head - - -	47	34	44·7	35·9	40·2	0·0	2	0·62	+0·04	"	"
"	" " -	Bawtry (Hesley Hall) - - -	53	28	46·3	32·1	39·0	- 3·5	2	0·33	-0·06	"	"
"	" " -	Llandudno - - - -	53	33	45·4	36·9	41·0	- 4·2	2	0·32	-0·08	7	8
14	April 7 -	Sumburgh Head - - -	49	36	46·7	40·6	43·5	+ 2·5	6	0·93	+0·40	"	"
17	" 28 -	Blackpool - - - -	52	29	49·8	32·9	40·9	- 8·4	2	0·09	-0·26	21	21
20	May 19 -	Durham - - - -	66	33	62·1	41·2	51·0	+ 1·6	2	0·11	-0·28	46	41
"	" " -	Scarborough - - - -	67	41	60·3	46·9	53·2	+ 3·4	3	0·10	-0·35	"	"
22	June 2 -	Durham - - - -	65	35	56·6	37·6	47·1	- 5·8	0	—	-0·48	30	26
"	" " -	Douglas (Isle of Man) - - -	62	37	56·5	43·7	49·8	- 2·5	1	0·07	-0·34	51	44
31	August 4 -	Cheadle - - - -	77	50	66·9	52·6	59·3	- 0·7	1	0·02	?	"	"
32	" 11 -	Laudale (Loch Sunart) - - -	76	51	70·8	54·7	62·1	+ 5·3	3	0·33	?	"	"
"	" " -	Llandudno - - - -	81	48	75·2	56·2	65·1	+ 4·5	1	0·09	-0·52	67	64
33	" 18 -	Llandudno - - - -	72	54	69·4	57·4	63·0	+ 2·6	1	0·05	-0·60	38	37
36	September 8 -	Llandudno - - - -	64	46	62·5	50·3	56·1	- 2·7	5	0·74	-0·04	33	36
40	October 6 -	Waterford - - - -	62	33	60·3	40·3	50·0	- 3·0	2	0·29	-0·67	"	"
44	November 3 -	Scarborough - - - -	59	36	54·0	42·6	48·1	+ 4·0	3	0·12	-0·58	"	"
"	" " -	Foynes - - - -	55	38	51·1	40·8	45·8	- 0·1	6	1·41	?	"	"
46	" 17 -	Scarborough - - - -	49	40	46·6	42·1	44·3	+ 2·5	3	0·14	-0·62	"	"
52	December 29 -	Foynes - - - -	51	29	46·6	32·5	39·8	- 1·9	2	0·12	?	"	"

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 1.]
New Series.

WEEK ENDING MONDAY, 7TH JANUARY, 1884.

[Price 4d.
Annual subscription,
post paid, 12s. 6d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE
IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on p. 4. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a “Day degree” signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the registers on p. 4.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.*

DISTRICTS. (See p. 4.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	48	29	43	36	40	0 (average).	Day deg. 3	Day deg. 3	Day deg. 25	Day deg. 25
	1. SCOTLAND, EAST -	53	26	43	34	39	1 above.	3	3	32	32
	2. ENGLAND, N.E. -	50	26	44	38	41	3 above.	6	6	15	15
	3. ENGLAND, EAST -	54	31	46	39	43	5 above.	20	20	8	8
	4. MIDLAND COUNTIES -	53	30	46	39	43	5 above.	20	20	8	8
	5. ENGLAND, SOUTH -	53	30	48	41	44	5 above.	18	18	3	3
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	53	29	45	38	42	2 above.	17	17	11	11
	7. ENGLAND, N.W. -	54	31	46	39	43	3 above.	17	17	8	8
	8. ENGLAND, S.W. -	55	31	49	43	46	4 above.	28	28	0	0
	9. IRELAND, NORTH -	54	33	46	40	43	7 above.	15	15	6	6
	10. IRELAND, SOUTH -	55	32	50	42	46	4 above.	28	28	0	0
	— CHANNEL ISLANDS -	53	34	50	44	47	3 above.	35	35	0	0

DISTRICTS. (See p. 4.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	5	10ths of In. 8	1 less.	5	In. 0.8	1	1	2	2
	1. SCOTLAND, EAST -	5	6	1 more.	5	0.6	3	3	6	6
	2. ENGLAND, N.E. -	5	12	8 more.	5	1.2	0	0	0	0
	3. ENGLAND, EAST -	5	4	1 less.	5	0.4	4	4	7	7
	4. MIDLAND COUNTIES -	7	7	1 more.	7	0.7	2	2	4	4
	5. ENGLAND, SOUTH -	6	5	2 less.	6	0.5	2	2	4	4
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	7	27	17 more.	7	2.7	1	1	2	2
	7. ENGLAND, N.W. -	6	13	5 more.	6	1.3	0	0	0	0
	8. ENGLAND, S.W. -	7	10	1 less.	7	1.0	4	4	7	7
	9. IRELAND, NORTH -	6	15	7 more.	6	1.5	3	3	6	6
	10. IRELAND, SOUTH -	6	14	5 more.	6	1.4	4	4	7	7
	— CHANNEL ISLANDS -	6	8	1 less.	6	0.8	2	2	4	4

General Remarks.

Weather has continued very cloudy or dull in all parts of the kingdom. Rain has been general, and at our north-western and north-eastern stations unusually large quantities have fallen.

Temperature has been about equal to the mean in the N. of Scotland, but above it in all other districts, the excess over eastern, central, and southern England being as great as 5°. The *maxima* which occurred on different days in the various districts, ranged from 48° in “Scotland N.” to 55° in “England, S.W.” and “Ireland, S.” The *minima* were registered in most places on the 1st, and varied from 26° in “Scotland, E.” and “England, N.E.” to 34° in the Channel Islands.

Rainfall has been a little less than the mean in the N. of Scotland, the E. S., and S.W. of England and in the Channel Islands, but more elsewhere. At most of our north-western and north-eastern stations the excess has been very great.

Bright sunshine has been even less prevalent than during the two preceding weeks, the greatest percentage of possible duration being in

“England, E.” “England, S.W.” and “Ireland, S.”, where it was 7, while “England, N.E.” and “England, N.W.” have been altogether sunless.

Depressions observed.—At the commencement of the period pressure was highest over the North Sea, Denmark, and the S. of Scandinavia, the wind in our Islands being moderate or fresh from the eastward or south-eastward. By the morning of the 3rd, however, the area of highest pressure had been transferred to the S. of France, where it remained until the end of the week. During the next day or two some small and ill-defined disturbances passed eastwards across Ireland and England, causing moderate or fresh breezes between S.W. and S.E. As the period drew towards its close a large and rather deep depression travelled in a north-easterly and easterly direction off our north-western and northern coasts, bringing strong southerly winds (a gale in the W.) to all parts of our Islands on the 5th, and fresh to strong westerly and north-westerly winds on the 6th and 7th.

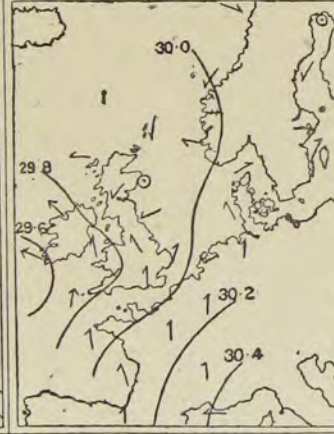
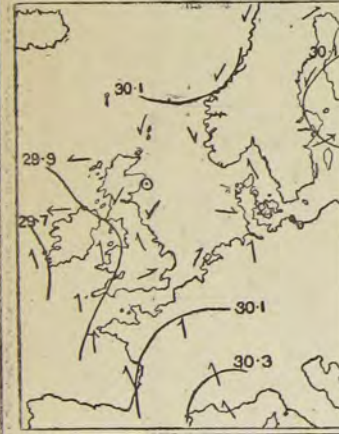
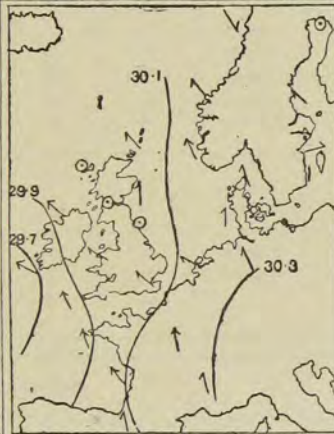
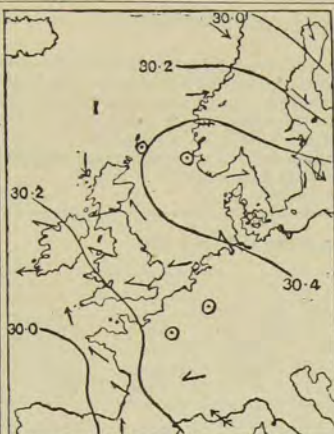
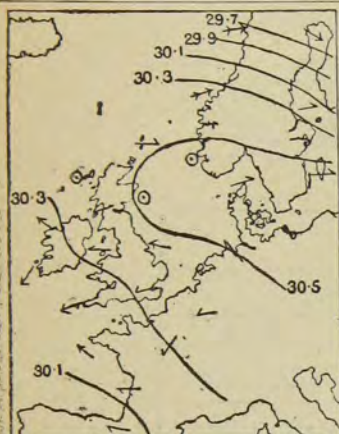
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on each day.

Tuesday, January 1.

Weather fine in the N. of Scotland, but cloudy or overcast elsewhere, with a misty drizzle in many places.

Temperature risen a little in the W. of Ireland and at many of the Continental stations, fallen a few degrees elsewhere, readings over our Islands ranging from 43° in the Shetlands and 42° at Valencia to 28° at Nairn. Maxima below 40° in many parts of Scotland and the N. of England.

Wind strong from W. in Scandinavia, fresh from S.E. or E. over England, Ireland, and France, and Calm in Scotland.

Sea rough off the W. of Norway and also on our own S.W. coasts.

Barometer falling generally. Large area of high pressure lying over the North Sea, Denmark, and the S. of Sweden, with relatively low readings in the N. of Scandinavia and also over the Spanish peninsula, Barometer subsequently rising in Sweden.

Wednesday, January 2.

Weather fine on our extreme S.E. coasts as well as at many of the Continental stations; overcast and misty elsewhere. Rain falling later in the S.W.

Temperature risen at all the more southern stations, and air becoming damper; readings over our Islands now ranging from 48° at Scilly to 28° at Nairn. Maxima high for time of year in S.

Wind South-Easterly at all but the Scandinavian stations, where North-Westerly; moderate in force on the eastern coasts, fresh or strong in the South-West.

Sea rough S.W.; moderate or smooth elsewhere.

Barometer rising north of Scandinavia; falling over our Islands and France. Readings relatively high over Denmark, the S. of Sweden, and E. of France; a shallow depression lying off our S.W. coasts. No important change later.

Thursday, January 3.

Weather fine in some parts of Scotland, but overcast elsewhere; steady rain falling over the northern parts of England and Ireland, and showers in the S. Rain continuing over the N. of England all day.

Temperature risen several degrees at all but the extreme northern stations; readings ranging from 52° at Valencia and Scilly to 28° at Aberdeen. Maxima above 50° in the central and southern parts of England. Air soft and mild.

Wind South-Westerly in South, but South-Easterly or Easterly elsewhere; strong in the West of Ireland.

Sea rough on our extreme western and south-western coasts.

Barometer falling generally. Highest pressures now found over the S.E. of France; yesterday's depression still lying off our S.W. coasts. Depression subsequently passing away over Atlantic, and barometer rising in all parts of the United Kingdom and France.

Friday, January 4.

Weather fine in Sweden, the extreme N. of Scotland and some parts of France, dull elsewhere, with rain in the N. of England, and fog over the southern counties. Rain falling in all places later—heavily in the S. of Ireland.

Temperature fallen at all but our western and northern stations; readings ranging from 52° at Valencia and Scilly to 35° at Nairn. Maxima exceeding 50° in W. and S.

Wind Northerly on the eastern shores of North Sea, but South-Easterly on our North and North-East coasts, and South-easterly elsewhere; light or moderate in force generally.

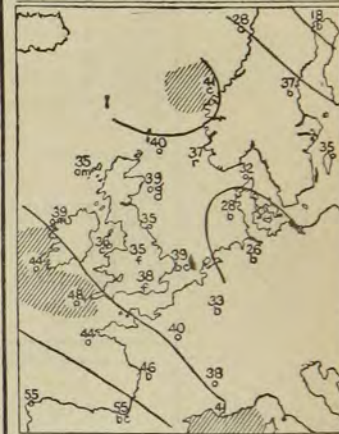
Sea rough in S.W.

Barometer falling Sweden, rising elsewhere. Pressure highest over the S.E. of France and somewhat high off the N. of Scotland, with areas of low readings over the W. of Ireland, the N. of Norway, and the Baltic. Slight fall taking place on our western and northern coasts later.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



[continued on next page.]

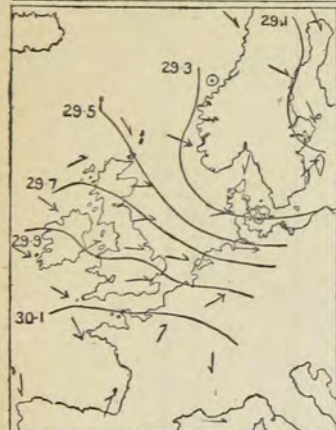
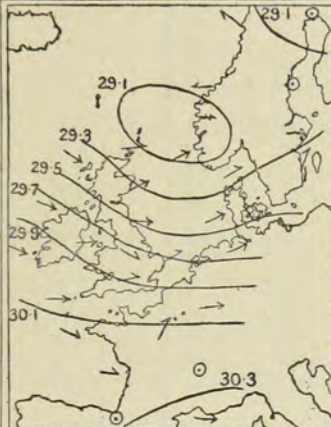
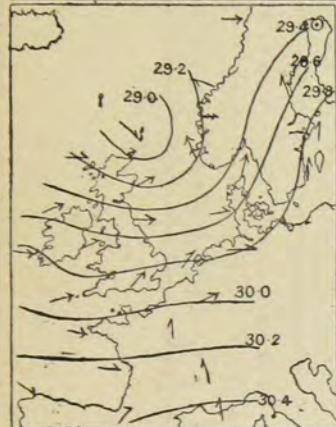
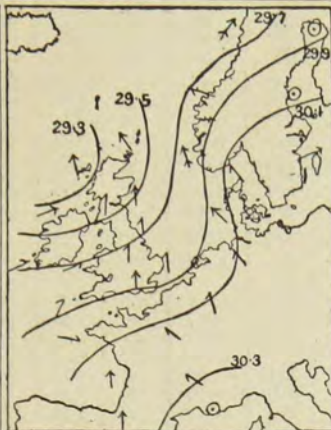
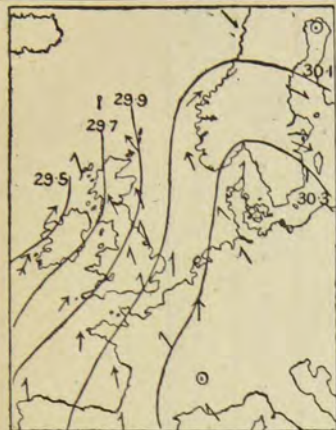
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding
8 a.m. on each day.

Saturday, January 5.

Weather fine at several of the Scandinavian stations, dull elsewhere, with rain on many parts of our western and northern coasts. Rain falling generally later.

Temperature risen several degrees in N.; readings ranging from 52° at Scilly to 41° in the Shetlands. Maxima very high for time of year in all places.

Wind Southerly or South-Easterly; strong to a gale on the Irish and Scotch coasts. Subsequently veering to S.W. at all western stations, and moderating in Ireland.

Sea rough in S.W. and extreme N.

Barometer falling generally—most in N.W. Pressure again highest over Denmark, the S. of Sweden, and E. of France; a large and somewhat deep depression lying to the westward of our Islands. Depression moving northwards later, and barometer rising on our S.W. coasts.

Sunday, January 6.

Weather dull and rainy in Norway, fair in most parts of our Islands and France. Showers falling later in many districts.

Temperature not much changed; readings ranging from 51° at Scilly to 44° in the Shetlands.

Wind South-Easterly or Southerly in Scandinavia, but generally Westerly elsewhere; fresh or strong in force in most places. Subsequently veering to the N.W. in the West and North.

Sea rough W. and S.W.

Barometer falling at all but our western and south-western stations. Readings highest over S. of France, and depression of previous day now found with its centre near the Shetlands. Rise extending to all parts of our Islands later.

Monday, January 7.

Weather fair in E., dull and showery, in W. Rain falling later over S. of England, but weather improving in S.W.

Temperature fallen a few degrees generally; readings ranging from 47° at Pembroke to 39° at Stornoway. Maxima a little lower than of late, but still high for time of year.

Wind North-Westerly in the West, Westerly elsewhere; strong in force in the West of Ireland. North-Westerly breezes subsequently extending to most parts of our Islands.

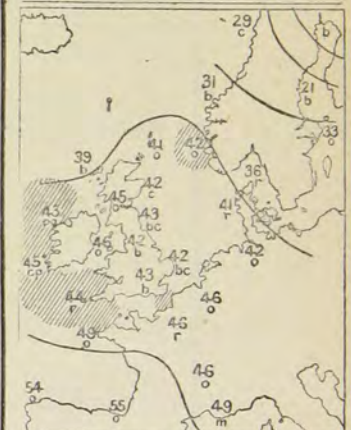
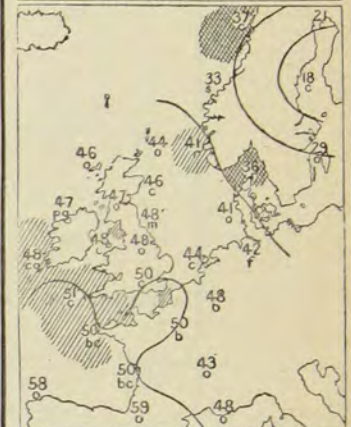
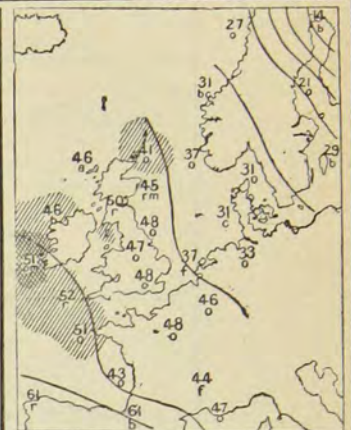
Sea rough on our W. and S.W. coasts.

Barometer rising over the British Islands and France, falling on the eastern shores of North Sea. Depression of previous two days now found over the S. of Sweden. Secondary disturbance passing across the S. of England in afternoon and evening.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: $\square$ = blue sky; $\square$ = detached clouds; $\square$ = overcast; $\square$ = misty (hazy); $\square$ = foggy; $\square$ = squally; $\square$ = rain; $\square$ = hail; $\square$ = snow; $\square$ = lightning; and $\square$ = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 1 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head - - -	46	35	43.0	37.4	40.3	+ 0.6	5	Inches. 0.80	Inches. -0.07	•	•
	Stornoway - - -	48	29	43.3	33.6	38.6	- 0.5	4	0.99	-0.21	1	2
	Wick - - -	47	29	43.6	35.9	39.9	+ 1.4	7	0.62	+0.11	•	•
1. SCOTLAND, E.	Nairn - - -	50	26	41.1	33.3	37.4	- 0.3	5	0.32	-0.13	•	•
	Aberdeen - - -	48	26	43.9	33.4	38.9	+ 1.5	5	0.89	+0.26	3	6
	Leith - - -	53	30	44.6	36.1	40.5	+ 2.9	4	0.67	+0.22	•	•
2. ENGLAND, N.E.	Alnwick Castle - - -	48	23	42.7	36.6	39.8	+ 2.4	5	1.19	?	•	•
	Shields - - -	50	32	45.6	38.6	42.2	+ 3.7	6	1.27	+0.76	•	•
	Durham - - -	49	34	44.1	39.6	41.9	+ 4.3	5	1.27	+0.73	•	•
	Scarborough - - -	50	33	45.0	33.4	41.8	+ 3.7	6	1.34	+0.87	0	0
	York - - -	49	34	44.1	37.9	41.1	+ 2.5	4	0.66	?	•	•
3. ENGLAND, E.	Spurn Head - - -	49	34	44.1	37.9	41.1	+ 2.5	4	0.66	?	•	•
	Hillington - - -	50	33	45.7	39.4	42.7	+ 5.6	4	0.41	-0.07	2	4
	Yarmouth - - -	50	33	45.0	38.1	41.7	+ 3.2	5	0.28	-0.30	•	•
	Geldeston - - -	51	33	46.0	39.9	43.1	+ 5.0	5	0.28	-0.14	6	11
	Cambridge - - -	51	32	47.9	39.7	44.0	+ 6.3	5	0.39	-0.01	3	6
4. MIDLAND COUNTIES	Rothamsted - - -	51	31	46.0	39.4	42.8	+ 5.5	6	0.49	-0.13	•	•
	Bawtry (Hesley Hall) - -	50	32	44.4	38.7	41.7	+ 3.2	6	0.78	+0.31	•	•
	Loughborough - - -	52	32	46.7	39.6	43.3	+ 5.8	6	0.50	0.00	•	•
	Leicester - - -	51	32	46.2	40.2	43.3	+ 6.2	7	0.47	-0.01	2	4
	Birmingham (Oscott) - -	49	30	44.4	37.4	41.0	+ 3.9	7	0.95	?	•	•
	Cheadle - - -	53	31	46.2	38.3	42.4	+ 4.4	6	0.59	?	0	0
	Churchstoke - - -	52	32	47.5	40.1	43.9	+ 5.6	7	0.48	-0.14	•	•
	Hereford - - -	49	31	46.3	40.1	43.3	+ 5.2	7	0.96	+0.20	2	4
	Cirencester - - -	52	32	47.7	40.9	44.4	+ 5.7	7	0.51	-0.03	3	6
	Oxford - - -	53	32	48.6	40.1	44.5	+ 5.8	4	0.35	-0.18	1	2
5. ENGLAND, S.	London† - - -	51	30	45.9	39.9	43.0	+ 4.9	7	0.80	+0.04	0	0
	Marlborough - - -	52	30	47.9	39.8	44.0	+ 5.4	6	0.48	-0.12	•	•
	Strathfield Turgiss - -	49	32	46.7	39.7	43.3	+ 3.4	5	0.37	-0.33	•	•
	Dover - - -	50	33	46.7	41.5	44.2	+ 4.3	5	0.45	-0.26	5	9
	Hastings (St. Leonard's) -	53	32	48.2	41.3	44.9	+ 5.8	6	0.59	-0.25	2	4
	Southampton - - -	51	31	48.7	40.6	44.8	+ 4.0	6	0.58	-0.16	•	•
	Hurst Castle - - -	53	31	46.1	36.6	41.5	+ 2.0	6	2.81	?	•	•
6. SCOTLAND, W.	Laudale (Loch Sunart) - -	50	29	45.1	35.7	40.5	+ 1.4	7	1.67	+0.62	•	•
	Glasgow - - -	53	30	44.4	38.2	41.4	+ 2.5	6	3.19	+2.39	1	2
	Ardrossan - - -	52	36	46.0	40.9	43.6	+ 3.0	7	3.27	+2.04	1	2
	Silloth (Cumberland) - -	49	33	44.4	37.1	40.9	+ 0.6	7	1.66	?	•	•
7. ENGLAND, N.W.	Barrow-in-Furness - - -	51	32	45.0	38.0	41.6	+ 3.4	6	1.90	+0.90	0	0
	Stonyhurst - - -	51	31	45.0	38.8	42.0	+ 1.5	7	1.32	+0.62	0	0
	Blackpool - - -	52	31	45.6	38.4	42.1	+ 3.3	7	1.31	+0.61	•	•
	Manchester - - -	52	33	46.4	40.0	43.3	+ 3.5	6	0.84	+0.26	•	•
	Liverpool Obs† (Bidston) -	54	32	47.7	40.7	44.3	+ 4.0	6	0.95	+0.25	1	2
	Llandudno - - -	52	33	48.1	40.4	44.4	+ 1.7	5	1.07	+0.20	•	•
	Holyhead - - -	52	33	48.1	40.4	44.4	+ 1.7	5	1.07	+0.20	•	•
8. ENGLAND, S.W.	Pembroke - - -	52	36	48.6	33.6	46.2	+ 3.6	6	0.96	+0.06	5	9
	Arlington (N. Devon) - -	53	31	48.4	40.1	44.4	+ 4.1	6	1.31	?	•	•
	Cullompton - - -	53	32	48.7	40.5	44.7	+ 3.6	7	1.00	?	2	4
	Falmouth - - -	54	36	50.3	45.4	48.0	+ 4.4	7	0.81	-0.55	6	11
	Plymouth - - -	55	35	50.9	43.3	47.2	+ 4.9	6	0.97	-0.01	2	4
	Prawle Point - - -	53	35	49.4	43.3	46.5	+ 4.4	7	0.76	?	•	•
9. IRELAND, N.	Londonderry - - -	54	33	46.9	38.6	42.9	+ 2.1	7	1.43	+0.51	•	•
	Mullaghmore - - -	54	38	47.7	41.1	44.5	+ 2.4	6	1.48	?	•	•
	Markree Castle - - -	52	34	46.8	40.2	43.6	+ 1.9	6	1.09	?	3	6
	Brookeborough - - -	51	34	44.6	38.6	41.7	+ 1.8	5	1.57	?	•	•
	Armagh - - -	51	35	45.7	39.4	42.7	+ 3.1	7	1.29	+0.59	3	6
	Donaghadee - - -	51	38	46.4	40.9	43.8	+ 3.1	6	1.92	+1.23	•	•
10. IRELAND, S.	Dublin - - -	54	38	48.4	42.6	45.6	+ 4.8	7	0.65	+0.15	6	11
	Parsonstown - - -	53	32	49.6	40.4	45.1	+ 5.2	5	0.54	+0.04	6	11
	Roche's Point - - -	52	39	50.0	43.3	46.8	+ 3.8	7	2.79	+1.58	•	•
	Valencia - - -	53	38	52.0	43.0	47.7	+ 2.4	6	2.07	+0.42	2	4
	Foynes - - -	55	36	51.9	39.6	45.9	+ 4.3	7	1.08	?	•	•
CHANNEL ISLANDS	Seilly (St. Mary's) - - -	53	39	51.6	45.6	48.7	+ 2.4	6	0.80	-0.16	•	•
	Jersey (Noirmont) - - -	51	34	48.4	41.9	45.3	+ 2.7	6	0.73	-0.07	2	4

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

Vol. I. No. 2.]
New Series.

WEEK ENDING MONDAY, 14TH JANUARY, 1884.

[Price 4d.
[Annual subscription
post paid, £1 1s. 2d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE
IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on p. 4. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a “Day degree” signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the registers on p. 4.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.*

DISTRICTS. (See p. 4.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	50	31	46	36	41	2 above	Day deg. 11	Day deg. 14	Day deg. 20	Day deg. 45
	1. SCOTLAND, EAST -	54	32	48	37	43	6 above.	26	29	13	45
	2. ENGLAND, N.E. -	55	34	48	40	44	6 above.	25	31	7	22
	3. ENGLAND, EAST -	52	34	47	38	42	5 above.	21	41	12	20
	4. MIDLAND COUNTIES -	54	34	48	39	44	6 above.	26	46	7	15
	5. ENGLAND, SOUTH -	53	32	48	38	43	4 above.	25	43	10	13
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	55	36	49	42	46	6 above.	27	44	0	11
	7. ENGLAND, N.W. -	54	32	48	42	45	5 above.	22	39	1	9
	8. ENGLAND, S.W. -	52	33	49	41	45	3 above.	25	53	2	2
	9. IRELAND, NORTH -	54	31	49	41	45	4 above.	25	40	3	9
	10. IRELAND, SOUTH -	55	36	51	42	47	5 above.	35	63	0	0
	— CHANNEL ISLANDS -	54	37	50	43	47	3 above.	33	68	0	0

DISTRICTS. (See p. 4.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	6	10ths of In. 7	1 less.	11	Ins. 1'5	3	4	6	4
	1. SCOTLAND, EAST -	3	5	0 (average).	8	1'1	18	21	37	22
	2. ENGLAND, N.E. -	3	2	3 less.	8	1'4	9	9	17	9
	3. ENGLAND, EAST -	3	1	4 less.	8	0'5	7	11	13	10
	4. MIDLAND COUNTIES -	2	1	5 less.	9	0'8	7	9	12	8
	5. ENGLAND, SOUTH -	2	2	6 less.	8	0'7	10	12	17	11
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	6	10	6 less.	13	3'7	7	8	13	8
	7. ENGLAND, N.W. -	4	4	3 less.	10	1'7	3	3	6	3
	8. ENGLAND, S.W. -	3	2	10 less.	10	1'2	7	11	12	10
	9. IRELAND, NORTH -	5	6	2 less.	11	2'1	4	7	7	7
	10. IRELAND, SOUTH -	3	2	8 less.	9	1'6	5	9	9	8
	— CHANNEL ISLANDS -	2	2	7 less.	8	1'0	21	23	36	20

General Remarks.

Weather has continued cloudy or dull in nearly all parts of the Kingdom, though for brief intervals the clouds have dispersed. Rain has been much less prevalent than during last week.

Temperature has again been above the mean in all districts, the excess varying from 2° in the N. of Scotland to as much as 6° over the E. and W. of Scotland and north-eastern and central England. The maxima, which were high for the time of year, were generally registered on the 9th, and ranged from 50° in “Scotland, N.” to 55° in “England, N.E.”, “Scotland, W.”, and “Ireland, S.” The minima were recorded at most stations on the 12th or 13th, and varied from 31° in “Scotland, N.” and “Ireland, N.” to 37° in the Channel Islands.

Rainfall has been about equal to the mean in “Scotland, E.”, but considerably less in nearly all other districts.

Bright sunshine has been more general than for some weeks past, although the percentages of possible duration are still small in most places; in the “Channel Islands” and “Scotland, E.” the percentage was 36 or 37, but elsewhere it varied between 6 and 17.

Depressions observed.—During the whole of this period a large area of high pressure has existed to the southward or south-westward of our Islands, while some depressions have travelled eastwards or south-eastwards to the northward of Scotland and over Scandinavia, and a few subsidiary disturbances over the United Kingdom. The wind has consequently varied between S.W. and N.W. over the whole country, and at all our northern and western stations has been fresh or strong in force.

* This title page will be supplied in a few days.

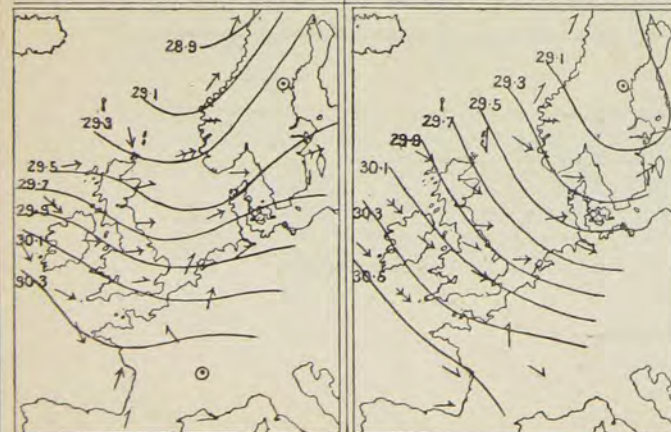
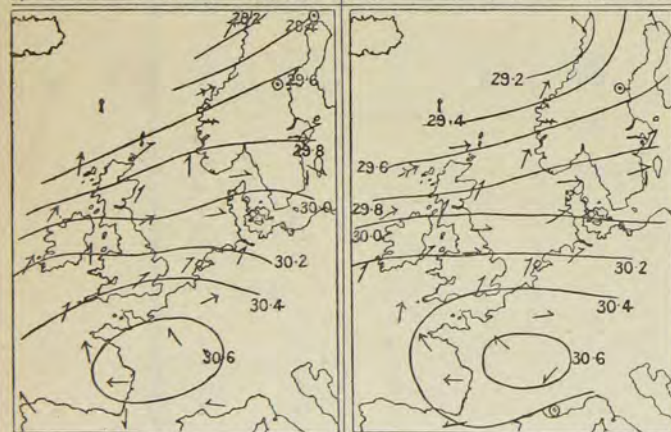
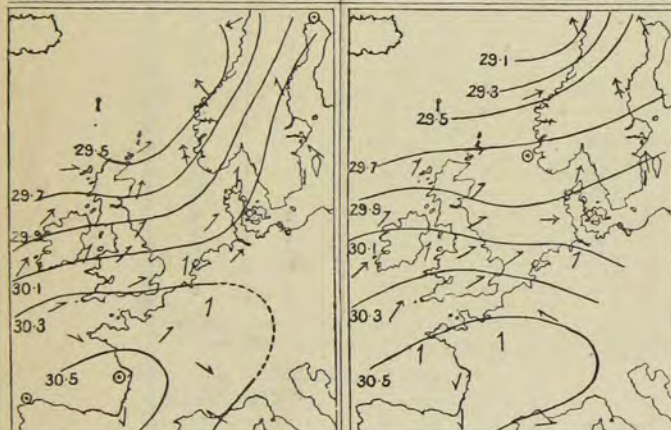
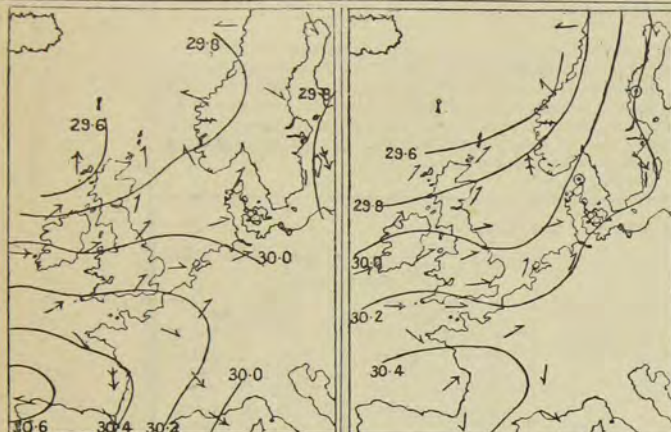
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on each day.

Tuesday, January 8.

Weather fine in Sweden and also in the S.E. of England, cloudy or overcast elsewhere, with rain at many of our western and northern stations. Rain falling later in most parts of the country.

Temperature risen several degrees in the W., but fallen a little in the E.; readings over our Islands ranging from 53° at Valencia to 37° at Cambridge. Maxima exceeding 60° in many places.

Wind Southerly in the north and South-Westerly in the east, but Westerly on our western coasts and North-Westerly in France. Moderate or fresh in force generally.

Sea rough in the extreme W. and N.W.; moderate to smooth elsewhere.

Barometer rising at all but our western and northern stations. Readings highest in N. of Spain, lowest to northward of our Islands. A depression passing away over the Baltic, and a new one appearing off the N.W. of Scotland. The latter moving north-eastwards during day, and barometer rising again in W.

Wednesday, January 9.

Weather fair along the E. coasts of Great Britain, dull and unsettled elsewhere. Rain falling later at all western and northern stations.

Temperature risen several degrees; readings ranging from 53° at Valencia to 42° at Cambridge. Maxima again exceeding 60° in many parts of our Islands, and reaching 55° at Shields.

Wind South-Easterly in Scandinavia, but South-Westerly elsewhere; strong in force on our western and northern coasts.

Sea rough off the W. of Ireland and S.W. of England.

Barometer falling at all but our extreme southern and the French stations. Readings still highest over N. of Spain, with large area of low pressure passing away in a north-easterly direction from our extreme northern coasts. Rise taking place later in all parts of our Islands.

Thursday, January 10.

Weather dull and rainy at several of the Irish and Scotch stations, but fair over England and foggy in France. Lightning observed at Stornoway in morning and at Mullaghmore in evening.

Temperature fallen slightly generally; readings ranging from 52° at Valencia to 41° at Wick. Maxima again above 50° in many places.

Wind Easterly in the south of France, but South-Westerly elsewhere; fresh or strong in force on several of the more exposed parts of our coasts.

Sea rough at some of our western and northern stations.

Barometer rising in all localities excepting the extreme N. of Scotland. Anticyclone, with readings above 30°6 ins., now lying over France, with lowest pressures over the N. of Scandinavia. Slight fall taking place generally later on.

Friday, January 11.

Weather fine and bright over England, but cloudy and unsettled elsewhere, with sleet showers in Scotland and hail in some parts of Ireland. Cold showers falling later over the entire Kingdom.

Temperature fallen several degrees in the W. and N.; readings ranging from 49° at Scilly to 30° at Nairn. Maxima decidedly lower than of late—thermometer in N. and E. of Scotland not rising above 40°.

Wind North-Westerly on several parts of our Western and northern coasts, but Westerly or South-Westerly elsewhere; fresh or strong in force in most places. Subsequently veering to N.W. generally.

Sea rough on our western and extreme northern coasts; moderate to smooth elsewhere.

Barometer falling generally. Anticyclone now lying over S. of France, with large area of low pressure near Bodo, and subsidiary depression between the Shetlands and Norwegian coast. Very brisk rise taking place later on all our western and northern coasts.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



[continued on next page.]

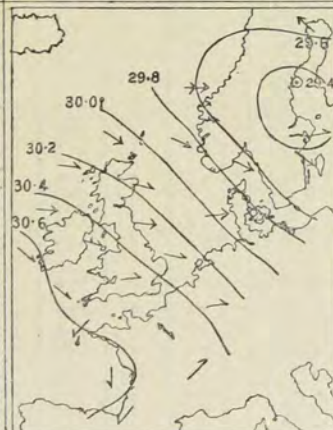
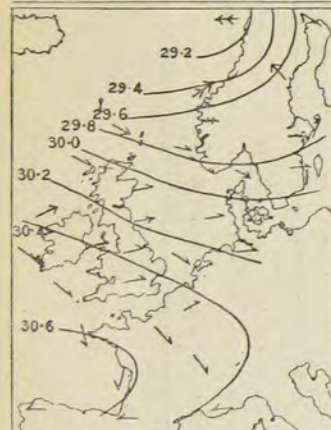
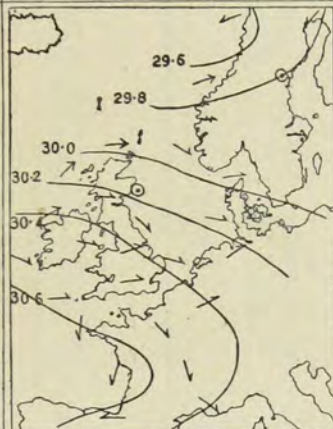
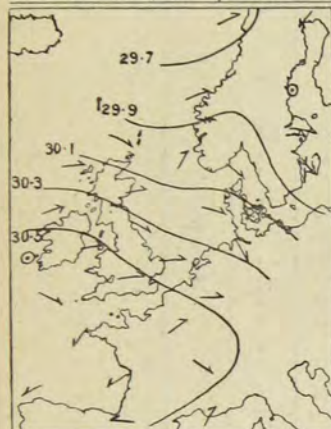
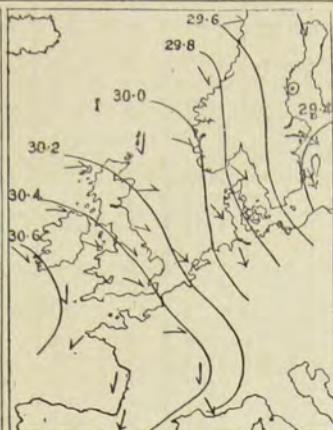
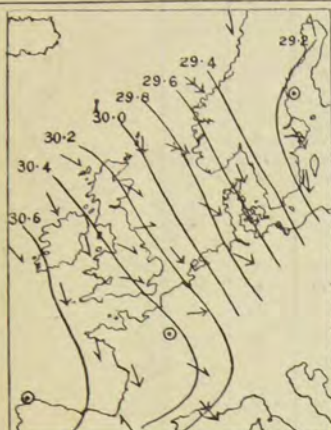
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on each day.

Saturday, January 12.

Weather fine and bright in most places in morning, but becoming overcast at many western stations during latter part of day.

Temperature risen in Scotland, France, and the N. of Ireland, fallen elsewhere; readings ranging from 48° at Scilly to 35° at Wick, Shields, and York.

Wind generally North-Westerly; moderate in force over our Islands and France, but strong to a gale on eastern shores of North Sea. Subsequently backing to W. at all our western and northern stations.

Sea rather rough on some of the more exposed parts of our coasts.

Barometer rising generally. Area of high pressure, with readings above 30.6 ins. now lying off our S.W. coasts, and depressions of previous day travelling away over the Baltic. Slight fall commencing over Ireland and Scotland in evening.

Sunday, January 13.

Weather cloudy or overcast at most of the western and north-western stations, but generally fine elsewhere. Showers falling later in W. of Ireland.

Temperature fallen in Denmark and France, but risen in most parts of our Islands; readings ranging from 48° at Scilly to 38° at Yarmouth.

Wind moderate Westerly or North-Westerly at all but the southern French stations where Easterly breezes were general.

Sea moderate to smooth.

Barometer falling a little on our extreme western and northern coasts, but rising elsewhere. Area of highest readings now lying off our S.W. coasts and the W. of France, with relatively low pressures to the northward of Scotland. Slight fall taking place generally later.

Monday, January 14.

Weather fine in the N. of Scotland and also in the S. and S.E. of England, but cloudy or overcast elsewhere, with rain or snow in Scandinavia.

Temperature risen generally; readings ranging from 51° at Valencia to 41° at Oxford, Yarmouth, and in London. Maxima exceeding 50° in many parts of the Kingdom.

Wind Westerly over our Islands and the North Sea, but South-Easterly in the north of Sweden and Easterly in the south of France. Moderate in force in most places.

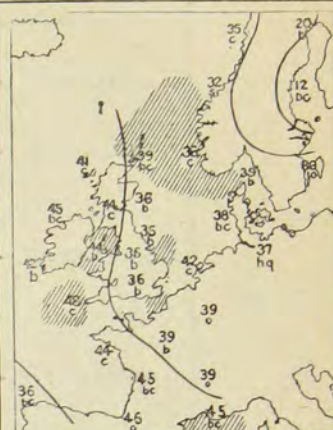
Sea rather rough at Sumburgh Head, moderate to smooth elsewhere.

Barometer falling at nearly all stations. Anticyclone lying over the W. of France, and large depression over the N. of Scandinavia. Latter subsequently moving south-eastwards, and barometer rising over our islands and Norway.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 1 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
O. SCOTLAND, N.	Sumburgh Head	48	31	45.7	34.6	40.4	+ 1.0	7	Inches. 0.76	Inches. -0.69	*	*
	Stornoway	50	33	46.1	37.3	41.9	+ 3.0	7	1.08	-0.12	3	6
	Wick	50	31	44.9	35.0	40.2	+ 1.8	4	0.37	-0.07	*	*
1. SCOTLAND, E.	Nairn	52	32	47.4	37.1	42.5	+ 5.0	5	0.65	+0.21	*	*
	Aberdeen	53	34	47.9	36.4	42.4	+ 5.1	2	0.32	-0.27	18	37
	Leith	54	33	49.0	38.3	43.9	+ 6.5	3	0.43	-0.02	*	*
2. ENGLAND, N.E.	Alnwick Castle	52	34	47.7	39.9	44.0	+ 6.7	3	0.32	?	*	*
	Shields	55	34	48.9	39.3	44.3	+ 6.1	3	0.18	-0.27	*	*
	Durham	53	36	49.1	40.8	45.1	+ 7.4	3	0.12	-0.33	*	*
	Scarborough	54	34	49.4	39.3	44.6	+ 6.7	2	0.26	-0.18	9	17
	York	50	34	46.4	38.1	42.4	+ 3.8	2	0.07	?	*	*
3. ENGLAND, E.	Spurn Head	50	34	46.4	38.1	42.4	+ 3.8	2	0.07	?	*	*
	Hillington	50	34	46.3	38.0	42.3	+ 5.3	3	0.16	-0.28	3	6
	Yarmouth	49	34	45.4	37.1	41.4	+ 3.2	3	0.04	-0.39	*	*
	Geldeston	50	34	46.6	38.2	42.5	+ 4.5	2	0.04	-0.36	9	16
	Cambridge	52	34	48.0	37.3	42.9	+ 5.7	2	0.11	-0.29	9	16
4. MIDLAND COUNTIES	Rothamsted	51	34	47.3	37.9	42.8	+ 5.6	3	0.18	-0.47	*	*
	Bawtry (Hesley Hall)	53	36	48.7	40.0	44.5	+ 6.3	2	0.15	-0.30	*	*
	Loughborough	52	38	48.7	41.0	45.0	+ 7.8	2	0.07	-0.42	*	*
	Leicester	51	37	47.8	39.9	44.0	+ 7.2	2	0.07	-0.38	5	9
	Birmingham (Oscott)	51	35	47.0	39.1	43.2	+ 6.5	3	0.11	?	*	*
	Cheadle	52	35	48.8	39.3	44.2	+ 6.4	2	0.12	?	6	11
	Churchstoke	54	34	49.7	39.5	44.8	+ 6.8	1	0.04	-0.60	*	*
	Hereford	50	35	47.9	37.4	42.9	+ 4.7	2	0.07	-0.72	10	18
	Cirencester	52	36	48.3	39.6	44.1	+ 5.7	2	0.10	-0.46	6	11
	Oxford	53	35	48.7	38.4	43.8	+ 4.3	2	0.17	-0.37	4	7
5. ENGLAND, S.	London†	49	32	46.9	36.3	41.8	+ 3.6	2	0.09	-0.71	10	18
	Marlborough	51	33	48.4	37.5	43.2	+ 4.9	3	0.12	-0.49	*	*
	Stratfield Turgiss	49	37	47.3	39.0	43.3	+ 3.9	3	0.23	-0.47	*	*
	Dover	50	34	47.4	38.7	43.2	+ 3.6	2	0.12	-0.58	13	23
	Hastings (St. Leonard's)	52	34	49.2	39.0	44.3	+ 5.4	2	0.13	-0.74	12	21
	Southampton	50	35	48.1	40.1	44.2	+ 3.7	2	0.19	-0.56	*	*
	Hurst Castle	54	39	52.5	43.1	48.0	+ 8.6	7	2.34	?	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	54	39	52.5	43.1	48.0	+ 8.6	7	2.34	?	*	*
	Glasgow	50	36	48.0	41.1	44.7	+ 5.5	6	0.76	-0.34	*	*
	Ardrossan	50	36	46.9	41.2	44.2	+ 5.5	4	0.21	-0.62	6	12
	Silloth (Cumberland)	55	38	49.4	42.5	46.1	+ 5.5	6	0.47	-0.80	7	13
7. ENGLAND, N.W.	Douglas (Isle of Man)	49	38	47.0	41.4	44.3	+ 4.1	4	0.19	?	*	*
	Barrow-in-Furness	51	35	48.3	40.6	44.6	+ 6.4	6	0.81	-0.16	5	9
	Stonyhurst	50	38	46.9	41.5	44.3	+ 4.0	5	0.37	-0.33	4	8
	Blackpool	52	32	48.3	40.2	44.4	+ 5.7	4	0.41	-0.29	*	*
	Manchester	53	39	48.6	43.0	45.9	+ 6.3	3	0.16	-0.39	*	*
	Liverpool Obs ^y (Bidston)	54	40	49.5	43.6	46.7	+ 5.2	2	0.81	+0.11	0	0
	Llandudno	51	38	48.9	42.6	45.9	+ 3.5	2	0.10	-0.75	*	*
8. ENGLAND, S.W.	Holyhead	51	38	48.9	42.6	45.9	+ 3.5	2	0.10	-0.75	*	*
	Pembroke	51	41	49.3	44.7	47.1	+ 4.7	1	0.03	-0.83	10	18
	Arlington (N. Devon)	50	37	47.7	40.6	44.3	+ 4.1	4	0.32	?	*	*
	Cullompton	51	33	49.1	37.1	43.3	+ 2.1	3	0.19	?	4	7
	Falmouth	52	42	49.8	43.9	47.0	+ 3.6	3	0.06	-1.34	7	12
	Plymouth	51	36	48.9	40.4	44.8	+ 2.6	2	0.18	?	*	*
9. IRELAND, N.	Prawle Point	51	36	48.9	40.4	44.8	+ 2.6	2	0.18	?	*	*
	Londonderry	54	36	50.7	40.7	45.9	+ 5.0	7	0.55	-0.41	*	*
	Mullaghmore	52	38	49.0	43.0	46.1	+ 3.7	7	0.60	?	*	*
	Markree Castle	52	36	48.6	41.3	45.1	+ 3.0	7	0.61	?	2	4
	Brookeborough	51	31	47.9	39.6	43.9	+ 3.8	3	0.60	?	*	*
10. IRELAND, S.	Armagh	52	35	48.1	40.5	44.4	+ 4.9	3	0.43	-0.27	5	9
	Donaghadee	53	37	48.9	40.6	44.9	+ 4.3	4	0.58	-0.12	*	*
	Dublin	55	37	50.5	42.5	46.6	+ 6.0	1	0.08	-0.41	5	9
	Parsonstown	54	36	49.6	41.1	45.5	+ 5.6	5	0.28	-0.42	4	7
CHANNEL ISLANDS	Roche's Point	54	39	52.0	42.7	47.5	+ 4.7	0	—	-1.27	*	*
	Valencia	54	41	52.4	45.1	48.9	+ 3.7	5	0.38	-1.22	6	11
	Poynes	54	38	52.1	40.6	46.6	+ 5.1	4	0.20	?	*	*
	Scilly (St. Mary's)	54	43	51.0	46.1	48.7	+ 2.5	2	0.02	-0.94	*	*
	Jersey (Noirmont)	51	37	48.6	40.6	44.7	+ 2.5	2	0.40	-0.40	21	36

Stations marked *fa* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 3.]
New Series.

WEEK ENDING MONDAY, 21ST JANUARY, 1884.

[Price 4d.
[Annual subscription
post paid, £1 1s. 2d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE
IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 4.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	51	35	49	40	45	6 above	Day deg. 26	Day deg. 40	Day deg. 5	Day deg. 50
	1. SCOTLAND, EAST -	55	31	50	42	46	9 above.	31	60	0	45
	2. ENGLAND, N.E. -	52	36	48	42	45	7 above.	22	54	1	23
	3. ENGLAND, EAST -	51	30	46	37	42	4 above.	11	52	22	42
	4. MIDLAND COUNTIES -	52	33	47	39	44	6 above.	22	66	7	23
	5. ENGLAND, SOUTH -	53	33	48	40	44	5 above.	22	65	5	18
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	53	39	48	43	46	7 above.	27	71	0	11
	7. ENGLAND, N.W. -	52	35	47	42	45	5 above.	20	59	1	10
	8. ENGLAND, S.W. -	51	38	48	43	45	4 above.	24	79	0	2
	9. IRELAND, NORTH -	54	36	49	43	46	5 above.	29	70	0	9
	10. IRELAND, SOUTH -	54	40	51	45	48	6 above.	40	103	0	0
	— CHANNEL ISLANDS -	51	35	48	44	46	2 above.	29	96	0	0

DISTRICTS. (See p. 4.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	5	10ths of In. 9	10ths of In. 2 more.	16	In. 2.4	3	7	6	5
	1. SCOTLAND, EAST -	3	4	1 less.	11	1.5	19	40	37	27
	2. ENGLAND, N.E. -	1	less than ½	4 less.	9	1.4	5	14	9	9
	3. ENGLAND, EAST -	1	less than ½	4 less.	9	0.5	6	17	11	10
	4. MIDLAND COUNTIES -	0	—	6 less.	9	0.8	2	11	4	7
	5. ENGLAND, SOUTH -	1	less than ½	7 less.	9	0.7	4	16	7	9
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	6	11	4 less.	19	4.8	6	14	11	9
	7. ENGLAND, N.W. -	3	2	6 less.	13	1.9	4	7	8	5
	8. ENGLAND, S.W. -	2	1	10 less.	12	1.3	0	11	0	6
	9. IRELAND, NORTH -	5	5	3 less.	16	2.6	5	12	9	7
	10. IRELAND, SOUTH -	3	3	8 less.	12	1.9	5	14	9	8
	— CHANNEL ISLANDS -	3	1	8 less.	11	1.1	13	36	21	20

General Remarks.

Weather has continued very dull and gloomy in almost all parts of the Kingdom, though, except in the extreme N. of Scotland, there has been very little rain.

Temperature has again been very high for the time of year, the excess in "Scotland, E." being 9°, in "Scotland, W." and "England, N.E." 7°, and in most other districts 4° to 6°. The maxima were recorded either on the 15th, 20th, or 21st, and ranged from 51° in "Scotland, N." "England, E.", "England, S.W.", and the "Channel Islands", to 54° in Ireland and 55° in "Scotland, E." The minima, which were registered on different days in the various districts, ranged from 30° in "England, E." and 31° in "Scotland, E.", to 40° in "Ireland, S."

Rainfall has been a little more than the mean in "Scotland, N.", but less in all other districts. Over the greater part of England scarcely any has fallen.

Bright sunshine has been generally very deficient. In "Scotland, E." 37% of the possible duration was recorded, but in other parts of the

Kingdom the percentages were much lower, varying from 4 in the "Midland Counties" and 6 in "Scotland, N." to 21 in the "Channel Islands", while in "England, S.W." the weather was quite sunless.

Depressions observed.—During the whole of this period an anticyclone, in which barometric readings were above 30.6 ins., lay over France or the southern parts of our Islands. No depressions of importance approached our coasts until near the end of the week, when (late on the 19th) an exceedingly deep and rapidly moving disturbance reached our extreme northern coasts from the westward, causing very violent south-westerly gales in the N. of Scotland and fresh or strong gales in the W. and N. generally. As this depression passed away over Scandinavia it was succeeded by another, which on the evening of the 21st was shown off our N.W. coasts, occasioning a rapid decrease of pressure over Ireland and Scotland, and strong winds or gales on all our coasts.

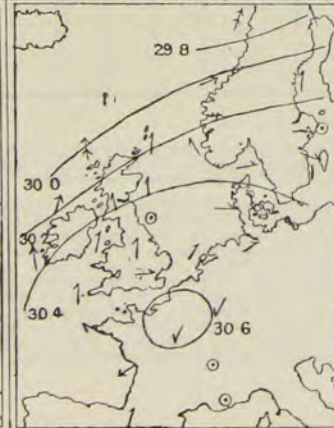
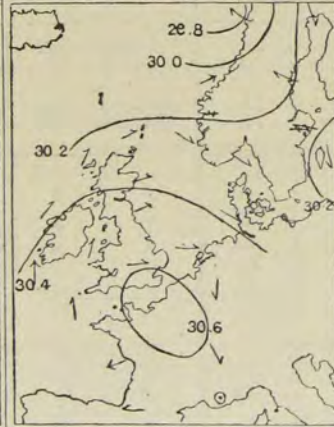
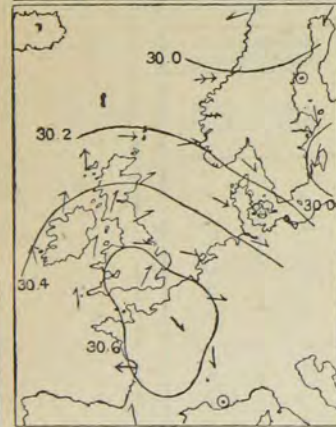
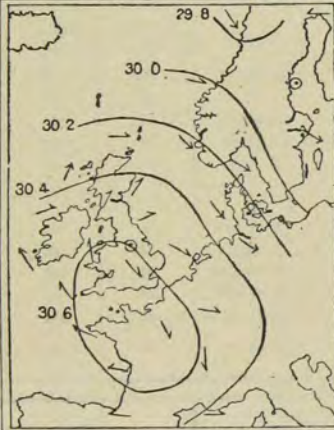
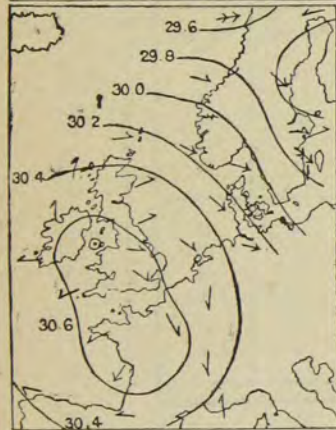
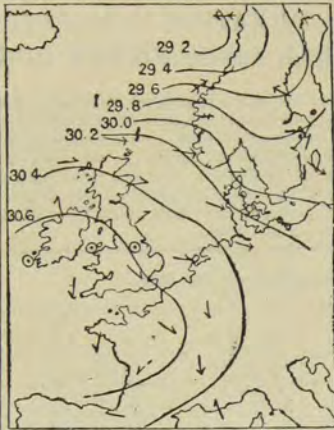
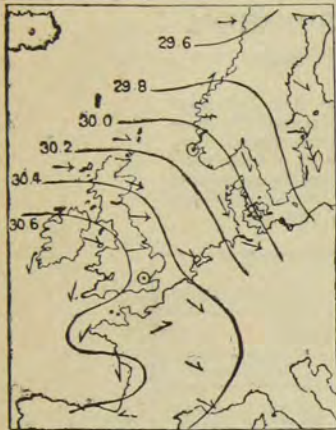
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, January 15.

Weather fine on the E. and S.E. coasts of Great Britain, as well as on the eastern shores of the North Sea, but very cloudy elsewhere, with rain at Mullaghmore. No important change during day.

Temperature fallen W.; readings over our Islands ranging from 50° at Scilly and 49° at Aberdeen to 40° at Yarmouth. Thermometer subsequently rising above 50° in many places, highest maximum being 55° at Aberdeen.

Wind generally Westerly or North-Westerly, and light to moderate in force. Increasing considerably on eastern shores of North Sea in evening.

Sea rather rough at Sumburgh Head, slight or smooth elsewhere.

Barometer rising in all places. Area of high readings lying over Ireland, the S.W. of England, and Bay of Biscay, with lowest pressures in the N. of Scandinavia. Large and rather deep depression appearing off the Norwegian coast during latter part of day.

Wednesday, January 16.

Weather fine in Sweden and the E. of Scotland, dull elsewhere, with fog or mist in many places and rain at Roche's Point. Rain falling later at several of our western stations.

Temperature fallen a little generally; readings ranging from 48° at Stornoway and 47° at Wick, Nairn, and Scilly to 38° in London and at Cambridge.

Wind light or moderate Easterly over the Bay of Biscay and our south-west coasts, but South-Westerly or Westerly in north and east, and strong North-Westerly in Scandinavia. Southerly winds increasing somewhat in extreme west later.

Sea rough off Shetlands, slight or smooth elsewhere.

Barometer rising at all but the Irish stations. Anticyclone lying over the greater part of England and France, with depressions over the Gulf of Bothnia and N. of Scandinavia. Slight disturbances skirting our western and north-western coasts later.

Thursday, January 17.

Weather fine in Sweden and the E. of Scotland; cloudy or overcast in most other places, with mist and fog in the S.E. of England. A little rain falling later in the extreme N. and N.W.

Temperature risen a little in the W., fallen elsewhere; readings ranging from 51° at Valencia to 33° at Aberdeen. Maxima about 50° in the W.

Wind Southerly or South-Westerly in the west and north, light and variable over the greater part of England and France. Westerly on the eastern shores of the North Sea.

Sea rough in the extreme W. and N.

Barometer falling over our Islands and the Bay of Biscay; rising at most of the Continental stations. Depressions skirting our western and northern coasts, and anticyclone still lying over France.

Friday, January 18.

Weather still fine in the E. of Scotland, but cloudy or overcast elsewhere, with mist and fog in the E. of England. Rain falling later in the extreme N. and at a few of the southern stations. Lightning seen in the W. and N. during the night.

Temperature risen a little over our Islands, but fallen in France; readings ranging from 50° at Valencia to 33° at Loughborough. Maxima above 50° at many of the western stations.

Wind Easterly in France, South-Westerly or Southerly in most other places; strong in the extreme west and north, light elsewhere. Wind increased to a fresh gale at Stornoway during the day.

Sea rather rough at Stornoway, little disturbed elsewhere.

Barometer fallen very quickly in the N.W. of Norway, and slightly over our Islands. A well-defined depression near Bodo, but general distribution very similar to that of yesterday.

Synoptic Charts.

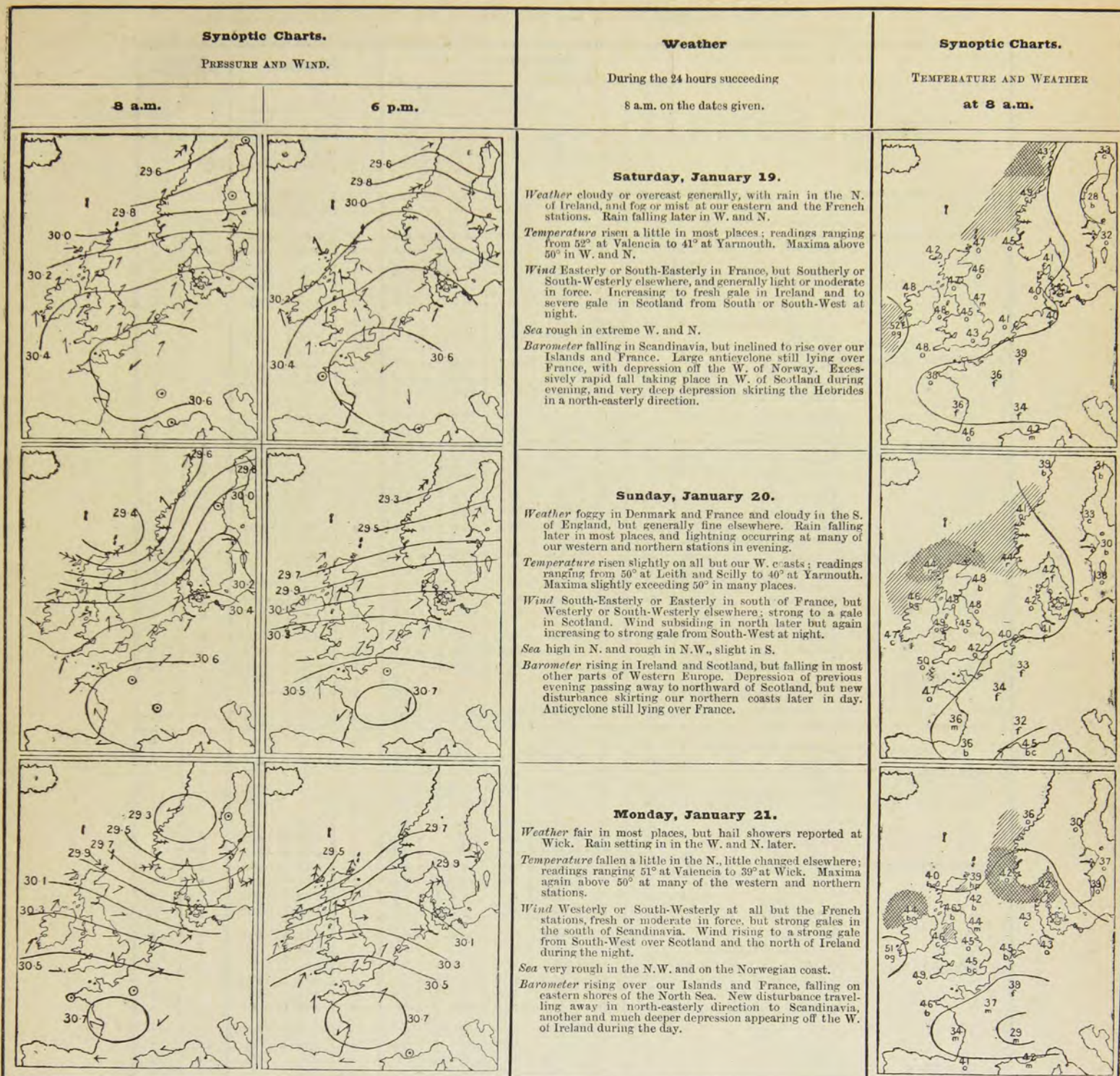
TEMPERATURE AND WEATHER

at 8 a.m.



[continued on next page.]

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on the first page of the Report has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	°	°	°	°	°	°		Inches.	Inches.	•	•
	Stornoway	50	36	48·7	41·2	45·1	+ 6·3	6	1·42	+0·26	3	6
	Wick	51	35	48·4	39·1	44·0	+ 5·7	8	0·44	+0·03	•	•
1. SCOTLAND, E.	Nairn	52	40	50·3	43·4	47·0	+ 9·6	3	0·77	+0·34	•	•
	Aberdeen	55	31	49·4	39·4	44·6	+ 7·4	2	0·09	-0·46	19	37
	Leith	52	42	50·4	44·4	47·6	+10·1	3	0·23	-0·21	•	•
2. ENGLAND, N.E.	Alnwick Castle	50	40	48·3	43·1	45·8	+ 8·6	2	0·12	?	•	•
	Shields	51	40	49·3	43·0	46·3	+ 8·1	1	0·02	-0·40	•	•
	Durham	51	36	47·7	41·2	44·6	+ 6·9	0	—	-0·40	•	•
	Scarborough	52	39	49·1	40·9	45·2	+ 7·3	0	—	-0·41	5	9
	York	48	36	45·1	39·3	42·3	+ 3·6	0	—	?	•	•
3. ENGLAND, E.	Spurn Head	48	30	44·5	34·4	39·7	+ 3·0	2	0·03	-0·37	4	7
	Hillington	48	34	45·3	37·7	41·6	+ 3·4	0	—	-0·40	•	•
	Yarmouth	50	35	46·2	37·5	41·9	+ 3·8	0	—	-0·38	9	16
	Gedeston	51	32	47·6	37·0	42·5	+ 5·3	0	—	-0·38	5	9
	Cambridge	51	35	46·5	38·3	42·6	+ 5·4	2	0·02	-0·65	•	•
	Rothamsted	52	35	48·3	40·0	44·3	+ 6·1	0	—	-0·42	•	•
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	50	33	47·4	38·6	43·2	+ 6·0	0	—	-0·43	•	•
	Loughborough	51	37	47·0	39·6	43·4	+ 6·2	0	—	-0·45	1	2
	Leicester	49	35	46·3	38·5	42·5	+ 5·9	0	—	?	•	•
	Birmingham (Oscott)	51	34	47·0	38·1	42·7	+ 4·8	0	—	?	2	4
	Cheadle	52	37	48·3	40·4	44·5	+ 6·3	0	—	-0·65	•	•
	Churchstoke	50	36	46·3	39·7	43·1	+ 4·9	0	—	-0·80	3	5
	Hereford	52	33	47·7	40·0	44·0	+ 5·3	0	—	-0·58	3	5
	Cirencester	52	37	48·0	39·7	44·1	+ 5·6	1	0·01	-0·53	1	2
5. ENGLAND, S.	Oxford	51	37	46·6	39·8	42·3	+ 5·3	0	—	-0·81	2	3
	London†	53	35	48·8	40·0	44·6	+ 6·5	1	0·02	-0·59	•	•
	Marlborough	51	35	46·7	39·3	43·1	+ 3·6	1	0·03	-0·64	•	•
	Strathfield Turgiss	51	33	46·7	39·3	43·1	+ 3·6	3	0·04	-0·66	11	19
	Dover	53	40	48·9	41·4	45·3	+ 6·4	1	0·01	-0·86	2	3
	Hastings (St. Leonard's)	51	38	48·1	41·1	44·7	+ 4·2	1	0·03	-0·73	•	•
	Southampton	53	39	50·5	41·9	46·4	+ 7·2	7	2·45	?	•	•
6. SCOTLAND, W.	Hurst Castle	50	41	48·2	43·2	45·8	+ 7·6	5	1·02	-0·68	5	9
	Laudale (Loch Sunart)	48	41	47·6	44·1	46·0	+ 6·7	6	0·79	-0·31	•	•
	Glasgow	48	42	46·9	43·5	45·3	+ 6·6	6	0·74	-0·09	5	9
	Ardrossan	50	41	48·1	43·7	46·0	+ 5·6	4	0·26	-1·03	8	15
	Silloth (Cumberland)	48	41	46·7	43·3	45·1	+ 5·1	3	0·23	?	•	•
7. ENGLAND, N.W.	Douglas (Isle of Man)	48	39	47·1	40·8	44·1	+ 5·9	5	0·42	-0·53	5	9
	Barrow-in-Furness	48	39	46·6	41·9	44·4	+ 4·2	3	0·10	-0·57	3	5
	Stonyhurst	49	35	46·5	39·2	43·0	+ 4·4	3	0·11	-0·57	•	•
	Blackpool	51	37	47·9	41·9	45·0	+ 5·4	1	0·01	-0·54	•	•
	Manchester	52	38	49·0	41·9	45·6	+ 4·2	2	0·08	-0·59	5	9
	Liverpool Obsr (Bidston)	51	41	48·1	43·3	45·8	+ 3·4	4	0·13	-0·71	•	•
	Llandudno	50	42	48·1	44·9	46·6	+ 4·1	2	0·03	-0·88	1	2
8. ENGLAND, S.W.	Holyhead	49	39	46·1	40·9	43·6	+ 3·4	2	0·25	?	•	•
	Pembroke	51	40	47·5	41·3	44·5	+ 3·4	0	—	?	0	0
	Arlington (N. Devon)	50	43	48·5	45·0	46·8	+ 3·6	3	0·12	-1·31	0	0
	Cullompton	51	38	49·3	42·1	45·8	+ 3·3	1	0·01	-1·02	0	0
	Falmouth	50	39	47·6	42·0	44·9	+ 2·9	2	0·06	?	•	•
	Plymouth	54	36	51·3	41·9	46·8	+ 6·0	4	0·83	-0·13	•	•
9. IRELAND, N.	Prawle Point	53	40	50·0	44·3	47·3	+ 4·8	4	0·66	?	•	•
	Londonderry	53	39	49·9	43·0	46·6	+ 4·5	4	0·40	?	5	9
	Mullaghmore	50	39	48·0	42·4	45·3	+ 5·1	4	0·61	?	•	•
	Markree Castle	49	39	48·0	42·4	45·3	+ 5·7	6	0·28	-0·42	5	9
	Brookeborough	50	39	48·3	42·4	45·5	+ 4·9	5	0·16	-0·54	•	•
	Armagh	53	41	50·4	44·4	47·5	+ 6·9	0	—	-0·49	8	14
10. IRELAND, S.	Donaghadee	53	40	49·4	43·0	46·3	+ 6·3	4	0·15	-0·55	5	9
	Dublin	53	42	51·1	45·3	48·3	+ 5·5	4	0·48	-0·81	•	•
	Parsenstown	54	45	51·9	47·0	49·6	+ 4·4	5	0·42	-1·18	2	4
	Roches Point	54	41	50·8	43·0	47·0	+ 5·5	4	0·23	?	•	•
	Valencia	51	45	49·6	46·0	47·9	+ 1·7	3	0·06	-0·90	•	•
CHANNEL ISLANDS	Foynes	50	35	47·0	41·0	44·1	+ 1·9	3	0·04	-0·74	13	21
	Scilly (St. Mary's)	51	45	49·6	46·0	47·9	+ 1·7	3	0·06	-0·90	•	•
	Jersey (Noirmont)	50	35	47·0	41·0	44·1	+ 1·9	3	0·04	-0·74	13	21

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1886-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 4.]
New Series.

WEEK ENDING MONDAY, 28TH JANUARY, 1884.

[Price 4d.
[Annual subscription,
post paid, £1 1s. 2d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE
IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1868-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 4.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	41	21	38	30	34	5 below.	Day deg. 0	Day deg. 40	Day deg. 54	Day deg. 104
	1. SCOTLAND, EAST -	48	25	40	33	36	1 below.	0	60	39	84
	2. ENGLAND, N.E. -	54	30	44	35	40	2 above.	6	60	27	50
	3. ENGLAND, EAST -	56	32	47	37	42	4 above.	22	74	14	56
	4. MIDLAND COUNTIES -	55	29	47	37	42	4 above.	13	79	23	46
	5. ENGLAND, SOUTH -	54	32	48	39	44	4 above.	25	90	9	27
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	52	27	45	35	40	0 (average).	8	79	25	36
	7. ENGLAND, N.W. -	57	27	46	36	41	1 above.	10	69	24	34
	8. ENGLAND, S.W. -	55	30	49	40	44	2 above.	27	106	7	9
	9. IRELAND, NORTH -	54	19	45	34	40	1 below.	8	78	32	41
	10. IRELAND, SOUTH -	56	29	48	37	43	1 above.	27	130	13	13
	— CHANNEL ISLANDS -	53	23	50	43	47	3 above.	34	130	0	0

DISTRICTS. (See p. 4.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	6	10ths of In. 25	10ths of In. 17 more.	22	Ins. 4.9	2	9	4	5
	1. SCOTLAND, EAST -	6	12	7 more.	17	2.7	14	54	25	26
	2. ENGLAND, N.E. -	5	11	6 more.	14	2.5	10	24	17	11
	3. ENGLAND, EAST -	5	9	5 more.	14	1.4	14	31	24	14
	4. MIDLAND COUNTIES -	7	15	10 more.	16	2.3	14	25	23	11
	5. ENGLAND, SOUTH -	6	16	9 more.	15	2.3	14	30	24	13
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	6	23	8 more.	25	7.1	9	23	16	11
	7. ENGLAND, N.W. -	6	21	14 more.	19	4.0	6	13	10	6
	8. ENGLAND, S.W. -	7	22	13 more.	19	3.5	7	18	12	8
	9. IRELAND, NORTH -	7	25	18 more.	23	5.1	8	20	14	9
	10. IRELAND, SOUTH -	7	23	12 more.	19	4.2	9	23	15	10
	— CHANNEL ISLANDS -	7	17	9 more.	18	2.8	14	50	22	21

General Remarks.

Weather has been in an extremely unsettled, boisterous, and rainy condition in all parts of our Islands. Snow has fallen in all the more northern districts, and in many places some sharp thunderstorms have been experienced.

Temperature has been below the mean over the greater part of Scotland, and in "Ireland, N.", but in all other districts it has continued above its normal value, the excess over central, southern, and eastern England being 4°. The maxima were recorded either on the 23rd or 24th, when thermometer rose to 48° in "Scotland, E." and to between 52° and 55° in most other districts; but in "England, E." and "Ireland, S." as high a level as 56° was reached, while in "England, N.W." the maximum was 57°. In "Scotland, N." the highest reading was only 41°. The minima, which were registered on the 26th or 27th, varied in most districts between 27° and 32°; in "Scotland, E.", however, temperature fell to 25°, in "Scotland, N." to 21°, and in "Ireland, N." to 19°.

Rainfall has been considerably more than the mean in all districts.

Bright sunshine, though still very deficient, shows a slight increase in duration in most places. The percentages ranged from 4 in "Scotland, N." and 10 in "England, N.W." to 25 in "Scotland, E."

Depressions observed.—During this period barometric pressure has been subject to very great and remarkable changes, two very deep and important depressions having crossed our Islands from the westward. The first of these travelled with great rapidity over the S. of Scotland, the North Sea, and Denmark during the 23rd, bringing violent gales on all our coasts—from S.W. as it approached, and from W. or N.W. as it moved away. The second disturbance, which travelled in a north-easterly direction across Scotland on the 26th, was very much deeper, and during its passage pressure decreased with excessive rapidity. The centre appears to have passed near Aberdeen, where the barometer at midnight registered the abnormally low reading of 27.40 ins. The depression occasioned south-westerly to westerly gales of very great violence in all parts of our Islands and strong winds or gales over the whole of western Europe.

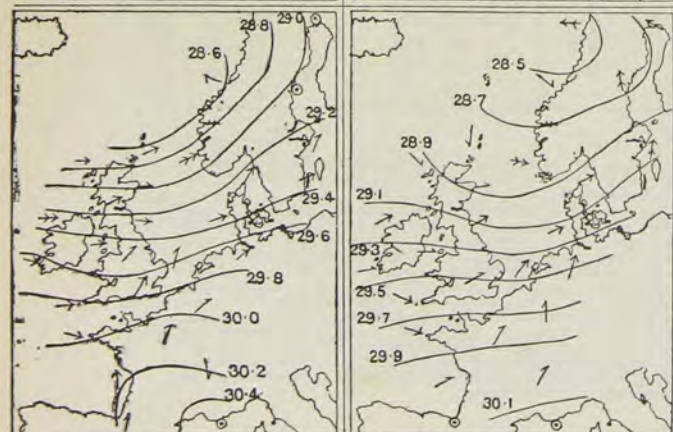
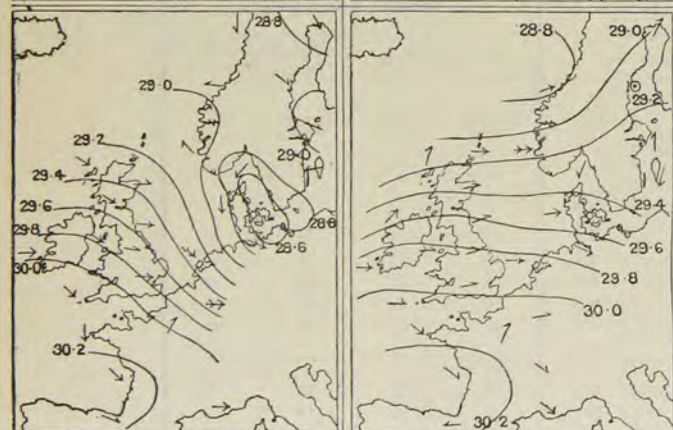
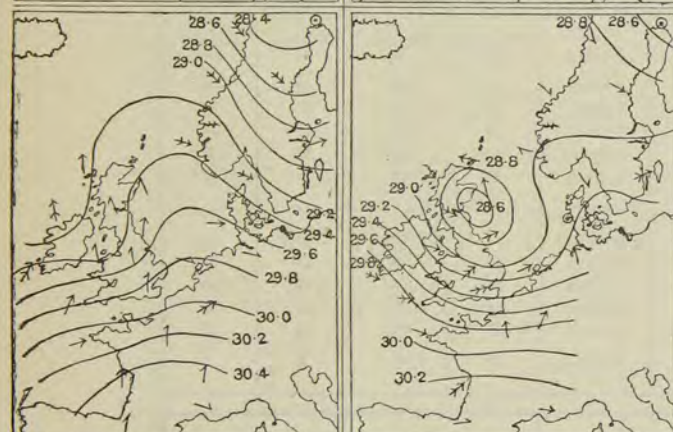
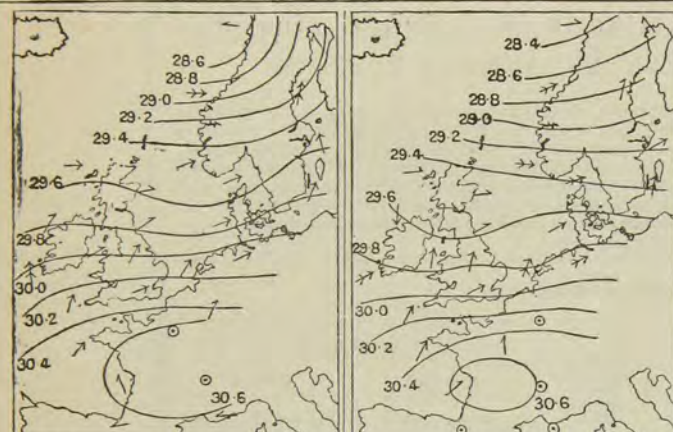
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, January 22.

Weather cloudy or overcast generally, with rain at several of our western and northern stations. Rain falling generally later.

Temperature risen a few degrees; readings ranging from 53° at Valencia to 38° at Wick. Maxima exceeding 50° in all parts of England and Ireland.

Wind Westerly in Scotland, but South-Westerly or Southerly elsewhere; fresh or strong in force generally, with gales on eastern shores of North Sea.

Sea rough on our western and south-western, as well as on the Norwegian coasts.

Barometer falling generally. Anticyclone, with readings exceeding 30.6 ins. lying over France, and depression, with readings below 28.6 ins., near Bodø. Small secondary disturbance passing across Scotland and the N. of England during latter part of day.

Wednesday, January 23.

Weather cloudy or overcast at nearly all stations, with fog in the S.W. of England, and rain in the W. and N.W. generally. Rain extending later to all parts of our area.

Temperature fallen several degrees in N. and E., but risen slightly W. and S.; readings ranging from 55° at Valencia to 34° at Sumburgh Head. Maxima over England and Ireland again exceeding 50°, highest being 56° at Cambridge.

Wind Southerly over the northern parts of the United Kingdom, but South-Westerly in the southern districts and Westerly or North-Westerly in Scandinavia. Moderate in force on the east coasts of Great Britain, strong to a gale elsewhere. Severe Westerly gale subsequently blowing over England, Ireland, and the north of France.

Sea rough or high on all but our E. coasts.

Barometer rising on eastern shores of North Sea, falling elsewhere. Anticyclone now lying over S. of France, and lowest pressures reported from N. of Scandinavia, but very deep depression approaching our N.W. coasts. Depression crossing Scotland later, and barometer rising again in W.

Thursday, January 24.

Weather overcast in Denmark and showery on our W. and S.W. coasts, but generally fine elsewhere. Snow or sleet falling in Scotland later, and thunderstorm occurring at Mullaghmore at night.

Temperature fallen several degrees; readings ranging from 45° at Scilly to 31° at Wick. Maxima over England 10° lower than on previous day.

Wind Northerly in Denmark, but Westerly or North-Westerly elsewhere; fresh or strong in force generally, with North-Westerly gale over Scotland in early morning. Wind moderating later, and backing to south-west in north.

Sea rough on nearly all coasts.

Barometer rising at all but the Danish stations. Depression of previous day now shown with its centre near Copenhagen. Rise subsequently extending to eastern shores of North Sea, but fresh fall appearing on our extreme western coasts.

Friday, January 25.

Weather fine in the E. of Scotland and S.E. of England; cloudy or overcast elsewhere, with rain in the N. of England and hail at several of our western stations. Rain falling later in all places and lightning occurring in evening.

Temperature risen at all but the French stations; readings ranging from 49° at Scilly to 32° at Wick and Nairn. Maxima over England rather higher than on previous day, but weather in Scotland a little colder.

Wind fresh or strong from the Westward or South-Westward on all coasts. Subsequently veering to north-west in Scotland and moderating, but increasing to whole gale from South-West in south of England at night.

Sea rough on all but our E. coasts.

Barometer falling generally. Pressure still highest in S. of France, with large area of low pressure lying to northward of our Islands. Latter moving away north-eastwards in evening and barometer rising briskly in extreme N.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

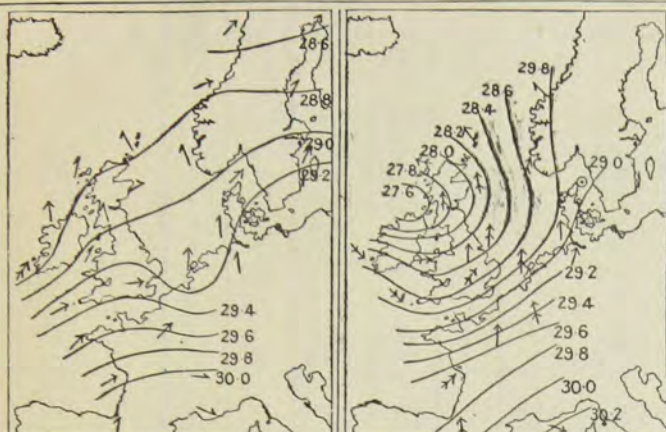
Weather

During the 24 hours succeeding
8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, January 26.

Weather fine in the eastern parts of Great Britain, but dull and rainy at all our western stations. Dull, rainy weather subsequently extending over England, and snow falling in Scotland. Lighting very general in evening.

Temperature fallen a few degrees; readings ranging from 49° at Valencia to 24° at Stornoway. Brisk rise taking place later, and thermometer rising to 50° in some parts of England.

Wind generally South-Westerly, moderate in north and east, but strong to a gale in south-west. Subsequently rising to very severe gale on all coasts; from south-west to west over Ireland and England and from south-east or south in Scotland.

Sea high or rough on all our more southern coasts.

Barometer rising Scandinavia, falling elsewhere—rapidly in W. Unusually deep depression advancing over Scotland later in day. Difference of pressure between Ardrrossan and Rochefort at 6 p.m. as much as 2.09 inches. Barometer at Aberdeen falling to 27.40 inches by midnight, being an inch and a half lower than at 8 a.m.



Sunday, January 27.

Weather fair in E. and S., but cloudy, with snow and hail showers in the W. and S.W. Snow showers falling later in most places, and lighting occurring in S. and S.W. at night.

Temperature fallen generally; readings ranging from 47° at Scilly to 30° at Donaghadee. Maxima below 40° in all the more northern parts of the Kingdom.

Wind Westerly at all western and northern stations but South-Westerly in south-east and South-Easterly or Southerly in Norway. Blowing whole gale in Scotland, and strong gale in east of England, with strong squally winds at the southern stations.

Sea rough or high generally.

Barometer rising rapidly in most parts of our Islands but falling in Scandinavia. Deep depression of previous day lying between the Shetland and Norwegian coasts but gradients still very steep, especially over our northern coasts. Depression continuing to travel north-eastwards during day, and barometer still rising generally.



Monday, January 28.

Weather fair in most places during early part of day, but rain falling in S.W. later.

Temperature risen a little; readings ranging from 45° at Scilly to 34° at Parsonstown.

Wind generally fresh or strong from the Westward, with gales in the south of Norway. Backing to South-East or South on our south-west coasts in evening.

Sea moderate off the E. of England, rough on high on all other coasts.

Barometer rising generally—quickly in the N. Depression of previous two days apparently over Scandinavia and gradients becoming less steep. Fall taking place in S.W. later, and small depression advancing over southern England.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by **arrow**, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on the first page of the Report has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	41	27	33.4	31.3	33.5	- 3.7	2	1.41	+0.60	*	*
	Stornoway	41	21	37.4	29.4	33.6	- 6.4	7	4.37	+3.26	2	4
	Wick	40	24	37.1	30.3	33.8	- 4.6	6	1.78	+1.35	*	*
1. SCOTLAND, E.	Nairn	43	26	36.7	31.6	34.3	- 3.4	6	1.41	+1.00	*	*
	Aberdeen	47	25	40.1	31.6	36.0	- 1.4	5	0.93	+0.37	14	25
	Leith	48	31	42.7	34.9	38.9	+ 1.0	6	1.19	+0.78	*	*
2. ENGLAND, N.E.	Alnwick Castle	49	30	41.3	32.9	37.3	+ 0.3	6	1.59	?	*	*
	Shields	54	30	44.3	34.6	39.7	+ 1.4	5	0.82	+0.40	*	*
	Durham	54	32	46.3	35.5	41.1	+ 3.1	6	0.98	+0.58	*	*
	Scarborough	54	31	46.0	36.0	41.2	+ 3.0	6	0.99	+0.58	10	17
	York	52	32	43.1	36.3	39.8	+ 0.9	3	0.86	?	*	*
3. ENGLAND, E.	Spurn Head	55	32	46.2	36.4	41.5	+ 4.3	5	0.85	+0.43	11	19
	Hillington	53	33	45.1	36.9	41.2	+ 2.3	6	0.85	+0.45	*	*
	Yarmouth	54	34	47.3	38.0	42.9	+ 4.2	4	0.80	+0.41	17	28
	Geldeston	56	33	48.0	37.0	42.7	+ 4.7	5	0.63	+0.24	?	?
	Cambridge	53	33	47.3	36.7	42.2	+ 4.5	6	1.38	+0.73	*	*
	Rothamsted	55	32	45.9	36.1	41.2	+ 3.3	7	1.41	+1.01	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	54	31	46.4	37.1	42.0	+ 4.1	5	1.34	+0.87	*	*
	Loughborough	54	31	46.8	37.2	42.2	+ 4.8	7	1.22	+0.77	12	20
	Leicester	54	31	46.8	37.2	42.2	+ 4.8	7	1.22	+0.77	*	*
	Birmingham (Oscott)	52	29	46.3	33.8	40.3	+ 3.2	6	1.14	?	*	*
	Cheadle	53	32	45.7	35.1	40.6	+ 2.2	7	2.59	?	13	22
	Churchstoke	53	32	45.7	35.1	40.6	+ 2.2	7	2.59	?	*	*
	Hereford	55	34	47.4	38.5	43.2	+ 4.3	7	1.43	+0.80	*	*
	Cirencester	53	32	46.6	37.1	42.1	+ 3.6	7	1.85	+1.08	14	23
5. ENGLAND, S.	Oxford	55	35	47.7	39.1	43.6	+ 4.5	6	1.04	+0.49	16	27
	London†	54	34	47.7	39.7	43.9	+ 4.8	6	1.01	+0.48	9	15
	Marlborough	52	32	46.1	36.6	41.6	+ 3.4	6	1.79	+0.99	14	23
	Strathfield Turgiss	53	32	48.2	37.4	43.0	+ 4.4	7	1.84	+1.24	*	*
	Dover	51	35	48.0	39.1	43.7	+ 4.0	6	0.93	+0.31	*	*
	Hastings (St. Leonard's)	51	35	47.7	38.8	43.5	+ 3.5	6	1.95	+1.30	19	31
	Southampton	53	34	48.7	39.1	44.1	+ 4.9	6	1.96	+1.11	15	25
	Hurst Castle	53	35	50.1	39.9	45.2	+ 4.5	6	1.35	+0.61	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	52	27	43.5	32.9	38.4	- 0.8	7	3.68	?	*	*
	Glasgow	50	30	43.1	32.6	38.1	- 0.4	6	1.80	+0.75	7	13
	Ardrossan	49	33	44.7	36.1	40.6	+ 1.2	?	?	?	*	*
	Silloth (Cumberland)	49	31	43.1	36.9	40.1	+ 1.2	5	1.56	+0.78	7	12
	Douglas (Isle of Man)	51	31	44.9	37.0	41.1	+ 0.6	7	2.03	+0.82	13	22
7. ENGLAND, N.W.	Newton Reigny (Penrith)	51	27	43.0	32.7	38.1	- 1.7	6	2.62	?	7	12
	Barrow-in-Furness	55	33	46.0	37.7	42.0	+ 1.7	7	1.92	?	*	*
	Stonyhurst	57	31	46.2	35.6	41.1	+ 2.4	7	3.25	+2.30	7	12
	Blackpool	50	33	45.3	37.9	41.7	+ 1.2	7	1.70	+1.06	3	5
	Manchester	53	31	45.4	34.9	40.4	+ 1.3	6	2.06	+1.40	*	*
	Liverpool Obs (Bidston)	54	33	46.3	38.1	42.4	+ 2.3	6	1.28	+0.76	*	*
	Llandudno	53	32	47.0	36.9	42.2	- 0.4	6	1.62	+0.82	*	*
8. ENGLAND, S.W.	Holyhead	53	32	47.0	36.9	42.2	- 0.4	6	1.62	+0.82	*	*
	Pembroke	51	33	48.3	40.3	44.5	+ 1.8	7	1.88	+1.03	4	7
	Arlington (N. Devon)	52	30	46.6	37.1	42.1	+ 1.9	7	3.19	?	*	*
	Cullompton	55	33	49.3	38.8	44.3	+ 3.1	7	2.29	?	9	15
	Falmouth	53	34	48.7	41.0	45.0	+ 1.6	7	2.56	+1.71	8	13
	Plymouth	54	35	50.2	40.5	45.6	+ 2.8	6	1.73	+0.73	8	13
9. IRELAND, N.	Prawle Point	51	33	48.4	39.3	44.1	+ 1.8	7	1.56	?	*	*
	Londonderry	53	30	44.5	35.3	39.1	- 1.7	7	3.04	+2.14	*	*
	Mullaghmore	52	31	47.1	37.0	42.3	+ 0.1	7	2.90	?	*	*
	Markree Castle	53	30	44.0	34.1	39.7	- 2.1	7	2.12	?	9	16
	Brookeborough	52	19	43.7	31.5	37.8	- 2.4	7	2.71	?	*	*
	Armagh	53	30	44.0	33.6	39.0	- 0.9	7	2.17	+1.47	7	12
10. IRELAND, S.	Donaghadee	54	29	43.7	33.9	39.0	- 1.6	7	2.27	+1.61	*	*
	Dublin	56	32	46.1	36.3	41.4	+ 0.6	7	0.94	+0.44	13	22
	Parsonstown	55	30	46.9	35.7	41.5	+ 0.4	7	2.00	+1.35	7	12
	Waterford	55	29	47.3	36.5	42.1	+ 0.1	7	2.25	+1.09	*	*
	Roche's Point	54	34	49.7	39.0	44.6	+ 2.4	7	2.99	+1.78	*	*
	Valencia	55	33	51.1	40.1	45.8	+ 0.6	7	3.07	+1.56	6	10
CHANNEL ISLANDS	Foynes	54	29	49.2	33.5	43.1	+ 1.7	7	2.27	?	*	*
	Scilly (St. Mary's)	53	40	50.6	45.4	48.1	+ 1.9	7	1.69	+0.81	*	*
	Jersey (Noirmont)	53	36	49.7	40.7	45.4	+ 3.2	6	1.78	+1.04	14	22

Stations marked fh are in connection with the Royal Meteorological Society.

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† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

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§ Newton Reigny (Penrith) has now been added to the list of stations, and the observations from Waterford have been resumed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 5.]
New Series.

WEEK ENDING MONDAY, 4TH FEBRUARY, 1884.

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post paid, £1 1s. 2d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE
IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a “Day degree” signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1868–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 4.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH*.	° ?	° ?	° ?	° ?	° ?	° ?	Day deg. ?	Day deg. ?	Day deg. ?	Day deg. ?
	1. SCOTLAND, EAST -	53	27	45	34	40	3 above.	9	69	31	115
	2. ENGLAND, N.E. -	54	28	47	36	42	4 above.	15	75	24	73
	3. ENGLAND, EAST -	57	27	50	38	44	5 above.	31	105	11	67
	4. MIDLAND COUNTIES -	55	24	49	37	43	4 above.	28	107	15	61
	5. ENGLAND, SOUTH -	56	26	49	40	45	5 above.	27	117	6	33
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	52	27	46	36	41	2 above.	11	90	22	58
	7. ENGLAND, N.W. -	54	25	47	37	42	2 above.	28	92	14	48
	8. ENGLAND, S.W. -	54	25	49	40	44	2 above.	27	133	7	16
	9. IRELAND, NORTH -	53	29	47	37	42	1 below.	22	100	15	56
	10. IRELAND, SOUTH -	57	27	50	39	44	2 above.	30	160	9	22
	— CHANNEL ISLANDS -	52	34	50	44	47	3 above.	34	164	0	0

DISTRICTS. (See p. 4.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH*.	?	10ths of In. ?	10ths of In. ?	?	Ins. ?	?	?	?	?
	1. SCOTLAND, EAST -	5	8	3 more.	22	3.5	14	68	24	26
	2. ENGLAND, N.E. -	6	12	7 more.	20	3.7	0	24	0	9
	3. ENGLAND, EAST -	5	4	0 (average).	19	1.8	7	38	12	13
	4. MIDLAND COUNTIES -	5	11	6 more.	21	3.4	5	30	9	10
	5. ENGLAND, SOUTH -	5	9	3 more.	20	3.2	4	34	6	11
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	6	18	6 more.	31	8.9	9	32	15	11
	7. ENGLAND, N.W. -	6	16	9 more.	25	5.6	7	20	13	7
	8. ENGLAND, S.W. -	6	14	4 more.	25	4.9	6	24	9	8
	9. IRELAND, NORTH -	5	7	0 (average).	28	5.8	9	29	15	10
	10. IRELAND, SOUTH -	5	10	0 (average).	24	5.2	10	33	17	11
	— CHANNEL ISLANDS -	5	9	2 more.	23	3.7	12	62	18	20

General Remarks.

Weather has been very cloudy or dull over the whole Kingdom, with a good deal of rain in most places.

Temperature has been above the mean in all districts, the excess over central, southern, and eastern England being as great as 4° or 5°. The maxima, which were registered on Jan. 29th or 30th, varied from 52° in “Scotland, W.” and the “Channel Islands”, and 53° in “Scotland, E.” and “Ireland, N.”, to 56° in “England, S.”, while in “England, E.” and “Ireland, S.” the thermometer rose to 57°. The minima were recorded on Feb. 3rd, and were generally rather lower than of late, ranging from 24° in the “Midland Counties” to 29° in “Ireland, N.” In the “Channel Islands” the temperature did not fall below 34°.

Rainfall has been about equal to the mean in Ireland and the E. of England, but more in all other districts.

Bright sunshine has been less prevalent than during last week. In “England, N.E.” there was none at all, but elsewhere the percentages of possible duration ranged from 6 (in “England, S.”) to 24 (in “Scotland, E.”)

Depressions observed.—During the greater part of this period some large and deep depressions passed from W. to E. to the northward of Scotland and over Scandinavia, so that the prevailing winds in our Islands were south-westerly or westerly. On the morning of the 2nd, however, a rather deep depression appeared over the S. of Ireland, and in the course of the succeeding 24 hours its centre passed in an east-south-easterly direction across the Channel and S. of England. During its passage the wind increased to a fresh or strong gale at all except our extreme northern stations—from N.E. or N. in the N.W., N., and E., and from S.W., and subsequently N.E., in the S. and S.E. As this disturbance passed away from our neighbourhood the barometer rose with great rapidity at the south-western and southern stations, and by the end of the period an anticyclone had been formed over France.

* Records incomplete; see page 20.

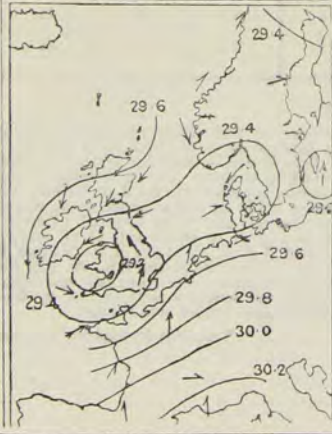
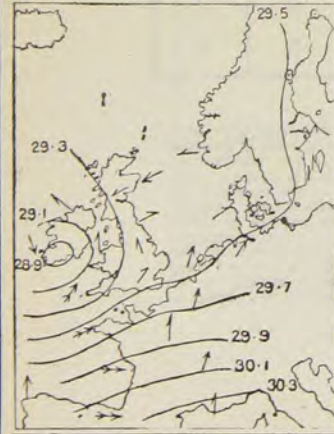
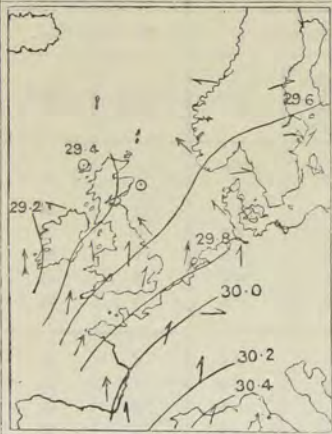
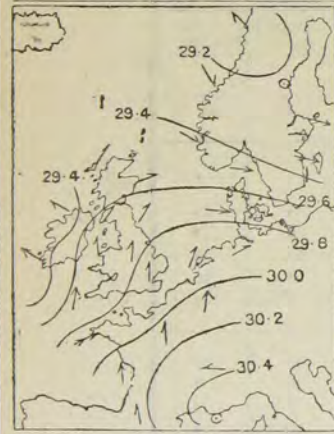
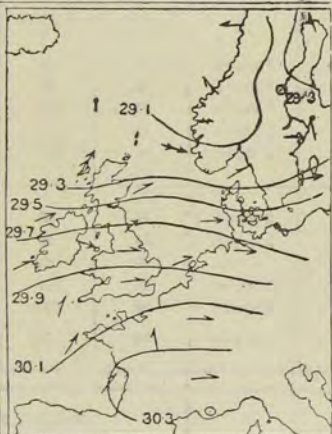
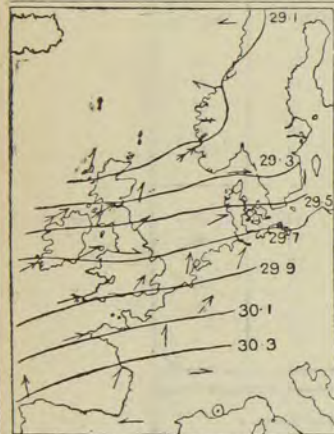
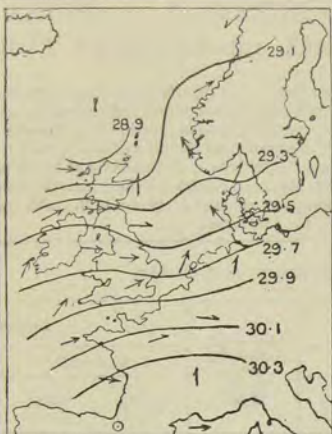
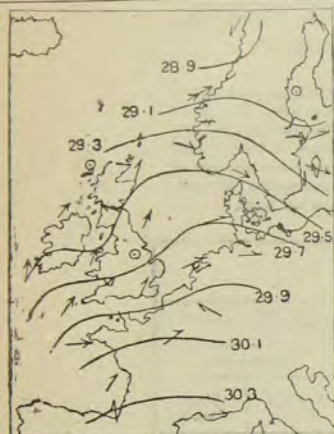
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, January 29.

Weather fine over the southern part of Scandinavia and also in the N. of Scotland, cloudy or overcast elsewhere, with rain at several of our western, southern, and the French stations. Rain falling generally later, and lightning seen in the W. of Ireland.

Temperature risen at all but our north-eastern stations; readings ranging from 52° at Valencia, Roche's Point, and Scilly to 29° at Nairn. Maximum readings above 50° in nearly all parts of England and Ireland.

Wind Southerly or South-Westerly; strong in force on our western and southern coasts, but light in the north and east. Subsequently veering to West in Scotland, and increasing to strong breeze.

Sea rather rough in the W. and S., slight in the E.

Barometer rising at all but our extreme western stations; readings highest S. of France. Depression of 26th dispersing over Scandinavia, but new disturbance appearing off W. of Ireland. Latter subsequently moving north-eastwards, and barometer rising again in W.

Wednesday, January 30.

Weather fair in the W. and N., but cloudy or overcast elsewhere, with rain at the southern stations. Rain falling later in all districts, and lightning occurring on some parts of our western and northern coasts.

Temperature risen several degrees; readings ranging from 54° at Oxford to 39° at Nairn. Maxima again exceeding 50° in many parts of England and Ireland.

Wind Westerly or South-Westerly; strong to a gale on several parts of our western and southern coasts.

Sea rough in the W. and S.

Barometer falling on the eastern shores of the North Sea, rising elsewhere. Depression of previous day now lying over the W. of Norway. Rise extending later to Norway and Denmark.

Thursday, January 31.

Weather fine in Scotland, but cloudy or overcast elsewhere, with rain at many of the south-western and southern stations. Rain extending later to all parts of the Kingdom.

Temperature fallen several degrees over England; readings ranging from 52° at Scilly to 38° at Nairn. Maxima still very high for time of year.

Wind South-Easterly in Ireland, Southerly or South-westerly elsewhere; fresh to strong in force in south-west and south.

Sea rough in the W. and S., slight in the E.

Barometer falling at our western, southern, and the French stations; rising elsewhere. Readings still highest S. of France, and depression advancing towards our S.W. coasts. Depression moving northwards later, but shallow disturbances appearing over Ireland and England.

Friday, February 1.

Weather fine at some of the central and southern stations, but cloudy or overcast elsewhere, with rain over the western and northern parts of the Kingdom and fog in the N. of England. Rain falling generally later.

Temperature risen a little at all but the French stations; readings ranging from 49° at Scilly to 35° at Nairn. Maxima very high for time of year in S.E. of England.

Wind strong to a gale from South-West in the west of France and south-west of England, but moderate from the Eastward on our northern coasts and fresh from North-North-West at Valencia. South-Westerly gale extending over the Channel later, and North-Easterly gale setting in on our northern coasts.

Sea high in the S.W., slight in the N. and E.

Barometer rising in Sweden, falling elsewhere. Readings still highest over the S. of France, with centre of small but deep depression lying off the S. of Ireland. Depression subsequently moving slowly eastwards, and brisk rise of barometer taking place in W. and N.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



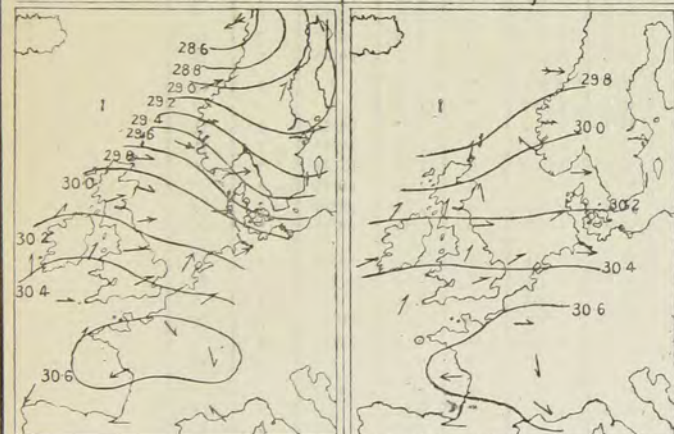
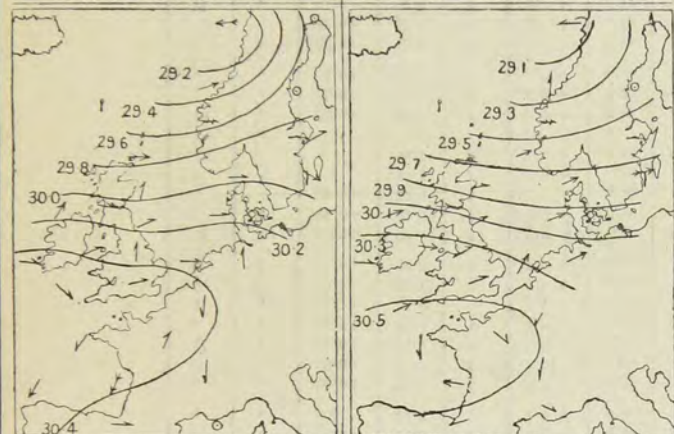
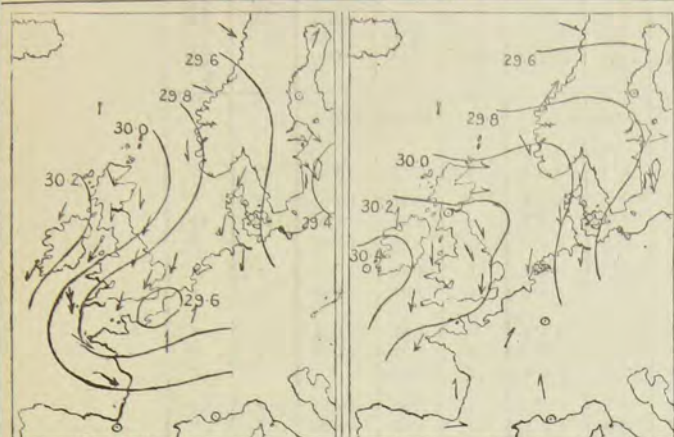
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather.

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, February 2.

Weather dull and showery at the southern and south-eastern stations, but generally fine elsewhere. Fair weather becoming general later.

Temperature fallen several degrees; readings ranging from 45° at Scilly and Dover to 32° at Ardrossan and Parsonstown. Maxima over England considerably lower than of late.

Wind Northerly or North-Easterly at all but the French stations, where South-Westerly or Westerly; strong to a gale on many parts of our eastern and southern coasts. Gale subsiding later in day and wind backing to West in Scotland.

Sea rough on all coasts.

Barometer falling a little in France, rising quickly elsewhere. Depression of previous day now shown with its centre off the Sussex coast, and area of high readings appearing off the W. of Ireland. Depression subsequently filling up and rise of barometer extending to France, but fresh, though slight, fall taking place in Scotland.

Sunday, February 3.

Weather fine over Sweden, France, and the S. of our Islands, but cloudy or overcast elsewhere, with rain over the northern parts of England and Ireland. Weather improving in N. later.

Temperature fallen at our southern and the French stations, risen elsewhere; readings ranging from 47° at Mullaghmore to 30° at Oxford and Cambridge. Brisk rise subsequently taking place over the whole of our Islands.

Wind Westerly or South-Westerly at all but the French stations, and generally light or moderate in force. Increasing to strong breeze or slight gale on our northern coasts later.

Sea moderate to smooth.

Barometer falling in Norway and Scotland, rising elsewhere. Area of high pressure, with readings above 30.5 inches, lying over the western part of the Channel, and centre of deep depression found near Bodø. Slight fall taking place later in all parts of our Island.

Monday, February 4.

Weather fine in Scotland, France, and the South of England, cloudy or overcast elsewhere. Slight rain falling later at several western stations.

Temperature risen several degrees; readings ranging from 50° at Leith, Donaghadee, and Valencia, to 42° at Cambridge. Maximum readings above 50° in nearly all parts of the Kingdom.

Wind Easterly in the west and south of France, but Westerly or South-Westerly elsewhere; light or moderate in force at all but the Norwegian stations, where strong to a gale.

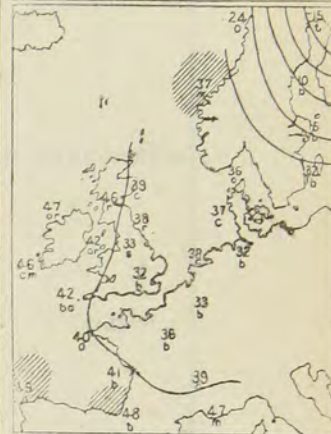
Sea rough on the Norwegian coasts and also at Valencia, moderate or smooth elsewhere.

Barometer rising at all but the Scandinavian and Danish stations. Area of high pressure, with readings above 30.6 ins. lying over France and deep depression still found near Bodø. Rise continuing all day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\gg$ = a heavy gale; $\gg$ = a gale; $\gg$ = a fresh to strong breeze; $\gg$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on the first page of the Report has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	°	°	°	°	°	°		Inches.	Inches.	•	•
	Stornoway										•	•
	Wick	49	28	43.1	32.3	37.8	- 0.8	5	0.53	+0.06	•	•
1. SCOTLAND, E.	Nairn	50	29	44.0	32.7	38.5	+ 0.4	5	0.79	+0.39	•	•
	Aberdeen	53	27	45.0	33.3	39.3	+ 1.5	5	0.49	-0.09	14	24
	Leith	52	30	46.9	36.9	42.1	+ 3.9	4	1.01	+0.61	•	•
2. ENGLAND, N.E.	Alnwick Castle	50	28	45.1	35.3	40.3	+ 2.2	6	0.91	?	•	•
	Shields	51	29	46.7	36.3	41.6	+ 2.9	6	0.83	+0.41	•	•
	Durham										•	•
	Scarborough	53	30	48.5	36.2	42.5	+ 4.4	6	1.54	+1.13	•	•
	York	54	29	49.0	36.9	43.1	+ 4.5	6	1.83	+1.41	0	0
3. ENGLAND, E.	Spurn Head	53	32	47.1	37.3	42.3	+ 3.4	5	0.64	?	•	•
	Hillington	55	30	50.0	38.3	44.3	+ 6.2	5	0.59	+0.14	6	10
	Yarmouth	55	30	48.9	37.6	43.5	+ 4.2	5	0.27	-0.23	•	•
	Geldeston	57	30	49.7	38.8	44.4	+ 4.8	4	0.30	-0.10	8	13
	Cambridge	56	28	50.6	37.0	43.9	+ 5.1	4	0.41	+0.02	?	?
4. MIDLAND COUNTIES	Rothamsted	54	27	49.8	38.2	44.1	+ 5.5	5	0.61	+0.01	•	•
	Bawtry (Hesley Hall)	54	29	49.1	36.4	42.9	+ 3.4	7	1.04	+0.64	•	•
	Loughborough	54	29	49.4	38.0	43.8	+ 5.2	5	1.13	+0.68	•	•
	Leicester	54	29	49.8	38.2	44.1	+ 6.0	5	0.75	+0.30	6	10
	Birmingham (Oscott)										•	•
	Cheadle	51	28	47.5	35.4	41.6	+ 3.7	5	1.54	?	•	•
	Churchstoke	54	24	48.5	35.7	42.2	+ 2.7	5	1.58	?	3	5
	Hereford	55	27	49.1	35.7	42.5	+ 2.7	4	0.87	+0.27	•	•
	Cirencester	52	26	47.6	35.9	41.9	+ 2.8	5	1.13	+0.41	?	?
	Oxford	54	29	49.4	39.4	44.5	+ 4.9	4	0.60	+0.08	7	11
5. ENGLAND, S.	London†	56	28	50.1	40.0	45.2	+ 5.5	4	0.66	+0.16	2	3
	Marlborough	53	26	47.7	37.6	42.8	+ 4.1	5	1.25	+0.51	2	3
	Strathfield Turgiss	56	27	50.6	38.5	44.7	+ 5.1	5	0.85	+0.29	•	•
	Dover	51	33	48.0	41.9	45.1	+ 4.5	5	0.67	+0.08	•	•
	Hastings (St. Leonard's)	51	32	48.0	40.5	44.3	+ 3.7	4	0.74	+0.14	8	13
	Southampton	55	28	50.1	40.1	45.2	+ 5.4	4	1.17	+0.33	3	5
	Hurst Castle	51	28	49.4	41.3	45.5	+ 3.9	5	0.88	+0.18	•	•
6. SCOTLAND, W.	Laudale (Loch Sunart)	52	27	46.4	36.7	41.6	+ 2.1	6	2.90	?	•	•
	Glasgow	49	30	44.1	35.8	40.0	+ 1.3	7	2.18	+1.15	9	15
	Ardrossan	49	31	45.4	35.9	40.7	+ 1.3	6	2.06	+1.12	•	•
	Silloth (Cumberland)	49	28	45.4	36.7	41.1	+ 1.8	5	0.65	-0.07	7	12
	Douglas (Isle of Man)	51	29	48.1	36.4	42.3	+ 1.6	5	1.17	+0.03	11	18
7. ENGLAND, N.W.	Newton Reigny (Penrith)	50	25	45.7	33.5	39.7	+ 0.2	7	1.42	?	8	13
	Barrow-in-Furness	49	30	46.4	37.6	42.1	+ 1.5	7	1.36	?	•	•
	Stonyhurst	50	27	47.4	35.2	41.4	+ 2.4	7	2.76	+1.81	7	11
	Blackpool	50	29	45.9	36.7	41.4	+ 0.5	7	1.69	+1.06	7	11
	Manchester	53	26	47.8	35.1	41.6	+ 2.0	6	1.68	+1.04	•	•
	Liverpool Obs ^r (Bidston)	54	32	48.3	38.7	43.6	+ 3.0	6	1.04	+0.54	•	•
	Llandudno	53	33	49.1	39.0	44.2	+ 2.1	4	1.21	+0.56	?	?
	Holyhead	51	33	47.4	39.4	43.5	+ 0.7	6	1.65	+0.92	•	•
8. ENGLAND, S.W.	Pembroke	50	34	48.3	41.6	45.1	+ 2.1	5	1.26	+0.46	7	11
	Arlington (N. Devon)	52	25	47.4	36.3	42.0	+ 1.4	7	2.09	?	•	•
	Cullompton	54	25	49.3	38.2	43.9	+ 2.4	6	0.78	?	5	8
	Falmouth	53	36	49.5	45.0	46.3	+ 2.7	5	1.93	+0.68	7	11
	Plymouth	54	29	49.6	39.4	44.6	+ 1.5	5	1.17	+0.22	3	5
	Prawle Point	52	30	48.3	40.7	44.6	+ 1.9	6	0.93	?	•	•
9. IRELAND, N.	Londonderry	52	32	48.1	35.7	42.0	+ 1.3	6	1.15	+0.32	•	•
	Mullaghmore	53	30	48.0	38.9	43.6	+ 1.9	6	0.74	?	•	•
	Markree Castle	53	33	47.3	37.2	42.4	+ 1.3	6	0.50	?	9	15
	Brookeborough	51	30	46.1	36.0	41.2	+ 1.2	4	0.36	?	•	•
	Armagh	51	29	46.0	36.0	41.1	+ 1.0	5	0.47	-0.18	9	15
	Donaghadee	53	30	47.9	36.7	42.4	+ 1.7	5	1.21	+0.56	•	•
10. IRELAND, S.	Dublin	56	32	50.0	38.8	44.5	+ 3.3	4	0.87	+0.33	10	16
	Parsonstown	54	29	48.3	37.1	42.8	+ 2.6	6	0.62	+0.02	10	16
	§Kilkenny (The Castle)	57	28	47.7	37.3	42.6	+ 1.2	4	0.61	?	•	•
	Waterford	53	27	49.3	37.7	43.6	+ 1.2	4	0.89	-0.22	•	•
	Roche's Point	55	32	50.6	39.9	45.4	+ 1.8	5	1.57	+0.42	•	•
	Valencia	55	35	52.0	41.1	46.7	+ 1.4	7	1.17	-0.18	11	18
CHANNEL ISLANDS	Foynes										•	•
	Scilly (St. Mary's)	52	34	50.0	43.6	46.9	+ 0.8	4	0.98	+0.17	•	•
	Jersey (Noirmont)	52	38	48.9	44.3	46.6	+ 4.5	6	0.82	+0.12	12	18

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at *Laudale* being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

§ It will be observed that Kilkenny Castle has now been added to the list of stations in District 10.

Note.—Owing to the interruption in telegraphic communication the values for Sumburgh Head and Stornoway cannot yet be computed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 6.]
New Series.

WEEK ENDING MONDAY, 11TH FEBRUARY, 1884.

[Price 4d.
Annual subscription,
post paid, £1 1s. 2d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE
IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a “Day degree” signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 4.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
Daily Maxima.	Daily Minima.			Daily Mean.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.			
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH*.	° ?	° ?	° ?	° ?	° ?	° ?	Day deg. ?	Day deg. ?	Day deg. ?	Day deg. ?
	1. SCOTLAND, EAST -	54	27	46	37	42	3 above.	12	81	22	137
	2. ENGLAND, N.E. -	51	30	46	38	42	3 above.	18	93	11	84
	3. ENGLAND, EAST -	52	31	46	37	42	2 above.	12	117	20	87
	4. MIDLAND COUNTIES -	52	31	47	37	42	2 above.	13	120	21	82
	5. ENGLAND, SOUTH -	52	31	48	40	44	3 above.	22	139	7	40
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	51	30	46	39	42	3 above.	17	107	9	67
	7. ENGLAND, N.W. -	57	32	46	39	43	2 above.	18	110	8	56
	8. ENGLAND, S.W. -	53	32	48	40	44	1 above.	23	156	6	22
	9. IRELAND, NORTH -	54	29	47	37	42	1 above.	23	123	15	71
	10. IRELAND, SOUTH -	55	30	48	40	44	2 above.	22	182	6	28
	— CHANNEL ISLANDS -	54	38	50	42	46	0 (average).	28	192	0	0

DISTRICTS. (See p. 4.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH*.	?	10ths of In. ?	10ths of In. ?	?	Ins. ?	?	?	?	?
	1. SCOTLAND, EAST -	3	3	1 less.	25	3·8	14	82	23	25
	2. ENGLAND, N.E. -	4	3	2 less.	24	4·0	4	25	7	8
	3. ENGLAND, EAST -	3	2	3 less.	22	2·0	10	48	16	14
	4. MIDLAND COUNTIES -	4	4	1 less.	25	3·8	9	39	14	11
	5. ENGLAND, SOUTH -	5	6	0 (average).	25	3·8	8	42	12	12
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	6	14	1 less.	36	10·0	9	41	14	12
	7. ENGLAND, N.W. -	5	9	2 more.	30	6·5	4	24	6	7
	8. ENGLAND, S.W. -	4	7	2 less.	29	5·6	13	37	19	10
	9. IRELAND, NORTH -	6	7	0 (average).	34	6·5	15	44	23	12
	10. IRELAND, SOUTH -	6	15	6 more.	30	6·7	14	47	22	13
	— CHANNEL ISLANDS -	4	5	3 less.	27	4·2	17	79	25	21

General Remarks.

Weather during the earlier part of the period was generally fair, but subsequently became very dull and squally, with rain, hail, or sleet showers. In the N.W. and S.E. some thunderstorms were experienced.

Temperature has been about equal to the mean in the “Channel Islands,” but above it elsewhere, the excess varying from 1° to 3°. The maxima were registered in most places on the 9th, and ranged from 56° in “Scotland, W.” to 55° in “Ireland, S.” and 57° in “England, N.W.” The minima, which were recorded either on the 7th, 8th, or 11th, ranged between 27° in “Scotland, E.”, 29° in “Ireland, N.”, 32° in the western parts of England, and 38° in the “Channel Islands.”

Rainfall has been about equal to the mean in “England, S.” and “Ireland, N.”, and rather more in “England, N.W.” and “Ireland, S.”, but in all other districts the fall has been less than its normal value.

Bright sunshine shows a slight increase generally, the percentages of possible duration varying from 6 in “England, N.W.” and 7 in “England,

N.E.” to 23 in “Scotland, E.” and “Ireland, N.” and 25 in the “Channel Islands.”

Depressions observed.—During the first few days of this period pressure over the greater part of our Islands and France was comparatively uniform and the changes unimportant. As the week advanced, however, some large and deep depressions skirted our western and northern coasts and travelled on to Scandinavia, causing the barometer in the United Kingdom to oscillate considerably. The wind, which had previously been light or moderate, and generally westerly or south-westerly, consequently backed to the southward and increased greatly in force. During the 9th and 10th, a fresh or strong southerly and south-westerly gale was experienced on all parts of our coasts.

* Records incomplete, see page 24.

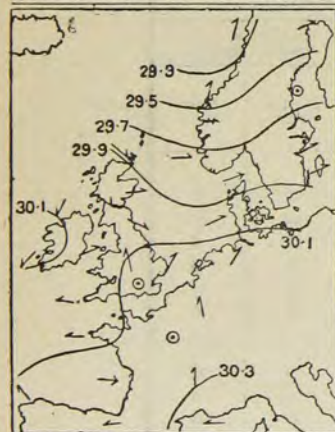
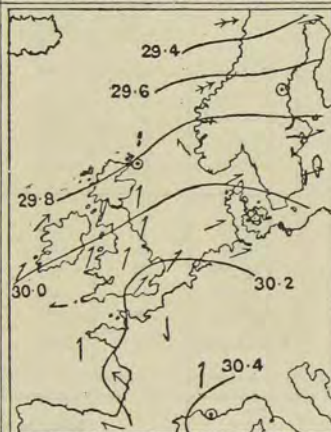
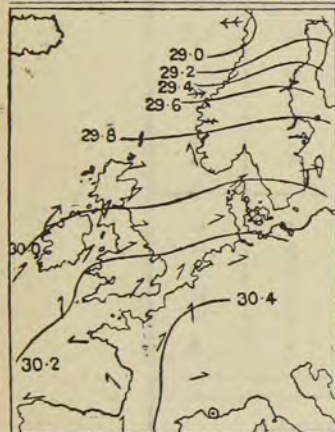
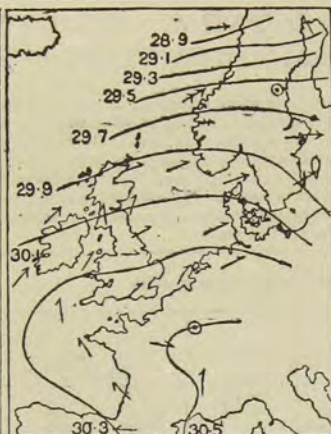
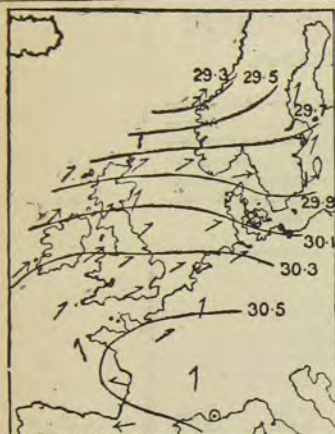
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, February 5.

Weather fine in France and the S.W. of England, cloudy or overcast elsewhere, with fog at Yarmouth and mist in the W. of Ireland. Rain falling later at some of the western stations.

Temperature changed little and irregularly; readings ranging from 50° at Leith to 44° at Wick and Oxford. Maxima reaching 50° in many parts of the Kingdom.

Wind Easterly in the west of France, but South-Westerly or Westerly elsewhere; light or moderate in force in most places, but strong to a gale at Christiansund.

Sea rather rough at Valencia, moderate or smooth elsewhere.

Barometer falling a little at all but the Swedish stations. Anticyclone lying over France, with lowest pressures over the N. of Scandinavia. No important change later.

Wednesday, February 6.

Weather fine in Sweden, France, and the S. of our Islands, but cloudy or overcast elsewhere, with rain in the W. of Norway. Rain falling later in many parts of Ireland and Scotland.

Temperature fallen a few degrees; readings ranging from 48° at Leith and Roche's Point to 40° at Nairn. Maxima lower than on previous day.

Wind Southerly or South-Easterly in the west of France, but South-Westerly elsewhere; light or moderate in force generally.

Sea rather rough at Mullaghmore; moderate or smooth elsewhere.

Barometer rising in Scandinavia and Denmark, but falling in our Islands and France. Anticyclone over France moving away south-eastwards, but lowest pressures still lying over the N. of Scandinavia. No important change later.

Thursday, February 7.

Weather fine in the S.W. of France; cloudy or overcast elsewhere, with rain in the N. of England. Rain falling later in S. of Ireland, but sky clearing in Scotland.

Temperature fallen in most parts of our Islands; readings ranging from 46° at Scilly to 33° at Wick.

Wind North-Westerly or Northerly in Ireland and Scotland, South-Westerly on eastern shores of North Sea, Southerly on our south-east coasts, and Easterly in the south-west; light or moderate in force generally. Subsequently becoming very variable in our Islands.

Sea moderate to smooth.

Barometer rising W. and N., falling elsewhere. Readings still highest in S.E. of France, but area of comparatively high pressure lying off the W. of Ireland. Lowest pressures over N. of Scandinavia, and small shallow depression lying off the N.W. of France.

Friday, February 8.

Weather fine in Scandinavia and Scotland, but cloudy or overcast elsewhere, with rain at Valencia and fog at many of the English stations. Rain falling later on all parts of our western coasts.

Temperature risen a few degrees in Ireland and France, fallen elsewhere; readings ranging from 49° at Scilly to 34° at Nairn.

Wind variable in the south-east of England and South-Easterly in the west of France, but Southerly or South-Westerly elsewhere; light or moderate in force generally. Subsequently increasing to strong breeze in Ireland.

Sea rather rough at Valencia, slight or smooth elsewhere.

Barometer rising in Scandinavia, but falling in our Islands and France. Highest pressure still lying over the S.E. of France, and large depressions beginning to skirt our extreme western coasts. Fall becoming more decided in Ireland towards latter part of day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.

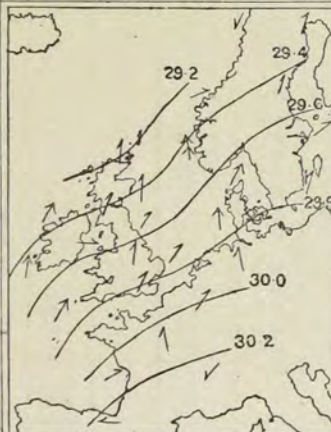
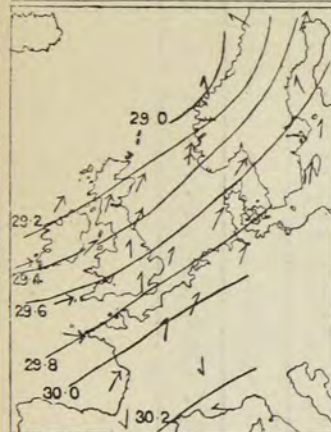
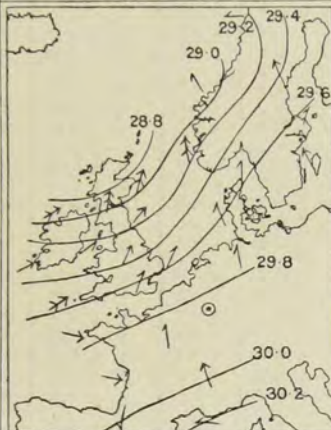
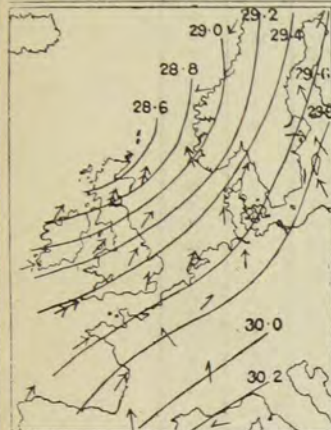
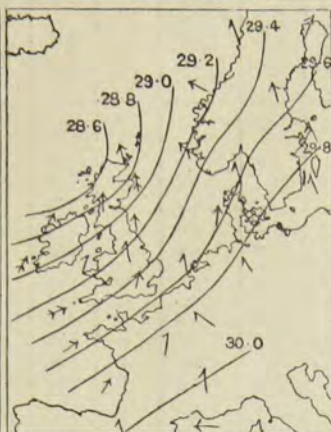
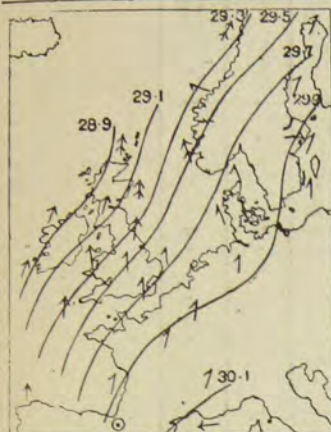


Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, February 9.

Weather fine in Sweden but cloudy or overcast elsewhere, with rain in many parts of our Islands and France. A thunderstorm occurring at Valencia in evening, and lightning seen at Spurn Head and Scilly.

Temperature risen considerably; readings ranging from 51° at Valencia to 43° at Spurn Head. Maxima exceeding 50° in most parts of the United Kingdom.

Wind Southerly on all coasts and strong to a gale in the west and north. Southerly gales extending eastwards later but wind veering somewhat in west.

Sea rough on all but the E. and S.E. coasts.

Barometer falling generally, most W. and N. Readings highest S.E. of France, with large depression lying off our western coasts. Depression moving northward later and barometer rising again in W.

Sunday, February 10.

Weather fine at many of our eastern and southern stations, cloudy or overcast elsewhere, with showers of sleet or hail in Ireland and of cold rain in many other localities. Thunderstorm in London at about 11.30 a.m.

Temperature fallen several degrees; readings ranging from 47° at Dover to 34° at Parsonstown. Maxima at our northern and eastern stations about 10° lower than on previous day.

Wind Southerly on eastern shores of North Sea, but South-Westerly elsewhere; strong to a gale on many parts of our coasts.

Sea rough or high generally.

Barometer rising at most of our own and the French stations, falling in Scandinavia and Denmark. Depression of previous day now lying off the N.W. of Scotland. Rise continuing in our Islands all day.

Monday, February 11.

Weather fair in most places, but showers still reported locally. Thunderstorm occurring later at Hurst Castle and in London.

Temperature fallen a little at all but our south-western stations; readings ranging from 45° at Scilly and Prawle Point to 35° at Parsonstown.

Wind fresh or strong from the South-Westward on all coasts. Subsequently backing to South in Ireland.

Sea high or rough in the W. and S. generally.

Barometer rising at all stations. Readings still highest over the S.E. of France, with the lowest pressures off the W. of Norway. Fresh fall appearing over W. of Ireland in evening.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on the first page of the Report has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head - - -	°	°	°	°	°	°		Inches.	Inches.	*	*
	Stornoway - - -										*	*
	Wick - - -	48	31	43.0	35.0	39.0	+ 0.3	3	0.14	-0.36	*	*
1. SCOTLAND, E.	Nairn - - -	53	32	45.1	35.4	40.3	+ 1.7	3	0.55	+0.17	*	*
	Aberdeen - - -	51	27	45.1	36.3	40.7	+ 2.7	3	0.24	-0.34	14	23
	Leith - - -	54	28	49.0	38.4	43.7	+ 4.8	3	0.13	-0.22	*	*
2. ENGLAND, N.E.	Alnwick Castle - - -	49	30	44.9	35.9	40.4	+ 1.9	3	0.24	?	*	*
	Shields - - -	51	35	47.0	40.7	43.9	+ 4.9	5	0.16	-0.26	*	*
	Durham - - -	51	33	46.5	37.2	41.9	+ 3.0	6	0.28	-0.19	8	13
	Scarborough - - -	50	34	46.4	38.3	42.4	+ 3.8	4	0.44	+0.03	*	*
	York - - -	51	34	47.0	39.0	43.0	+ 4.0	4	0.30	-0.13	0	0
	Spurn Head - - -	49	35	46.4	37.7	42.1	+ 3.0	3	0.12	?	*	*
3. ENGLAND, E.	Hillington - - -	51	33	46.3	36.6	41.5	+ 2.7	1	0.10	-0.37	10	16
	Yarmouth - - -	48	36	45.7	38.9	42.3	+ 2.3	3	0.11	-0.40	*	*
	Geldeston - - -	50	35	46.4	38.9	42.7	+ 2.5	3	0.07	-0.34	10	15
	Cambridge - - -	52	31	47.6	36.0	41.8	+ 2.1	3	0.16	-0.23	11	17
	Rothamsted - - -	52	33	45.6	36.8	41.2	+ 1.9	4	0.34	-0.12	*	*
	Bawtry (Hesley Hall) - -	51	33	47.7	38.3	43.0	+ 3.0	4	0.35	-0.06	*	*
4. MIDLAND COUNTIES	Loughborough - - -	51	32	47.3	37.6	42.5	+ 3.0	3	0.14	-0.32	*	*
	Leicester - - -	52	31	46.5	37.4	42.0	+ 3.1	5	0.19	-0.26	9	14
	Birmingham (Oscott) -										*	*
	Cheadle - - -	50	31	44.7	34.6	39.7	+ 0.8	4	0.37	?	*	*
	Churchstoke - - -	51	32	45.9	36.6	41.3	+ 1.0	5	0.95	?	9	14
	Hereford - - -	51	33	48.0	37.0	42.5	+ 2.0	4	0.48	-0.07	*	*
	Cirencester - - -	50	32	46.0	36.4	41.2	+ 1.7	3	0.50	-0.20	9	14
	Oxford - - -	52	35	47.0	38.9	43.0	+ 2.6	3	0.12	-0.38	9	14
5. ENGLAND, S.	London† - - -	52	34	48.4	39.0	43.7	+ 2.9	4	0.23	-0.25	6	9
	Marlborough - - -	50	34	45.3	37.6	41.5	+ 2.1	4	0.53	-0.17	7	11
	Strathfield Turgiss - -	52	31	47.9	37.5	42.7	+ 2.3	4	0.71	+0.17	*	*
	Dover - - -	49	36	47.0	40.4	43.7	+ 2.4	6	0.76	+0.22	*	*
	Hastings (St. Leonard's) -	50	37	47.6	41.3	44.5	+ 3.4	6	0.68	+0.13	11	17
	Southampton - - -	51	36	49.0	39.6	44.3	+ 3.5	4	0.72	+0.01	8	12
	Hurst Castle - - -	50	38	48.4	40.9	44.7	+ 2.7	5	0.87	+0.20	*	*
	Laudale (Loch Sunart) -	51	33	47.8	37.6	42.7	+ 3.2	6	3.97	?	*	*
6. SCOTLAND, W.	Glasgow - - -	50	30	44.9	37.1	41.0	+ 2.0	7	1.06	+0.06	10	16
	Ardrossan - - -	48	32	45.6	38.7	42.2	+ 2.7	6	0.65	-0.24	*	*
	Silloth (Cumberland) -	50	32	45.4	39.8	42.6	+ 2.7	6	0.56	-0.13	6	10
	Douglas (Isle of Man) -	49	37	46.0	40.3	43.2	+ 2.3	6	0.79	-0.26	11	17
7. ENGLAND, N.W.	Newton Reigny (Penrith) -	49	33	44.6	37.8	41.2	+ 1.0	5	1.50	?	2	3
	Barrow-in-Furness - - -	48	38	45.9	40.7	43.3	+ 2.5	4	0.51	?	*	*
	Stonyhurst - - -	50	33	45.1	38.5	41.8	+ 2.5	6	1.30	+0.35	5	8
	Blackpool - - -	51	34	46.4	38.9	42.7	+ 1.7	6	0.59	-0.01	4	6
	Manchester - - -	51	32	45.9	37.1	41.5	+ 1.6	5	0.45	-0.15	*	*
	Liverpool Obs. (Bidston) -	53	35	47.3	39.7	43.5	+ 2.5	5	0.62	+0.15	*	*
	Llandudno - - -	57	35	48.7	39.8	44.3	+ 2.3	6	0.65	+0.02	?	?
	Holyhead - - -	49	36	47.1	40.3	43.7	+ 0.7	6	1.00	+0.30	*	*
8. ENGLAND, S.W.	Pembroke - - -	50	36	47.3	41.9	44.6	+ 1.5	5	0.79	+0.04	9	14
	Arlington (N. Devon) -	51	32	46.7	36.7	41.7	+ 0.7	5	0.87	?	*	*
	Cullompton - - -	52	32	48.7	38.4	43.6	+ 1.6	4	0.49	?	13	20
	Falmouth - - -	53	37	48.4	41.2	44.8	+ 0.9	4	0.96	-0.19	16	24
	Plymouth - - -	53	37	49.6	40.7	45.2	+ 1.9	4	0.49	-0.39	12	18
	Prawle Point - - -	51	35	48.3	41.0	44.7	+ 1.7	4	0.52	?	*	*
9. IRELAND, N.	Londonderry - - -	54	31	49.9	35.8	42.9	+ 2.3	6	0.92	+0.15	*	*
	Mullaghmore - - -	52	32	48.1	38.9	43.5	+ 2.3	6	0.83	?	*	*
	Markree Castle - - -	51	30	46.9	35.4	41.2	+ 0.6	7	0.43	?	13	20
	Brookeborough - - -	52	30	45.7	35.6	40.7	+ 0.8	5	0.80	?	*	*
	Armagh - - -	52	32	46.1	36.7	41.4	+ 0.9	6	0.80	+0.18	16	25
	Donaghadee - - -	50	29	46.7	38.4	42.6	+ 1.6	5	0.22	-0.39	*	*
10. IRELAND, S.	Dublin - - -	55	34	48.4	40.0	44.2	+ 2.5	5	0.42	-0.15	19	30
	Parsonstown - - -	53	31	47.6	38.7	43.2	+ 2.7	5	1.32	+0.75	15	23
	Kilkenny (The Castle) -	53	30	47.9	39.4	43.7	+ 1.8	6	0.96	?	*	*
	Waterford - - -	52	33	47.6	40.1	43.9	+ 0.8	6	1.23	+0.20	*	*
	Roche's Point - - -	52	34	49.0	41.1	45.1	+ 1.3	7	2.14	+1.04	*	*
	Valencia - - -	53	34	50.0	41.7	45.9	+ 0.6	7	2.34	+1.11	9	14
CHANNEL ISLANDS	Poyness - - -	53	32	48.2	36.8	42.5	+ 0.9	6	1.86	?	*	*
	Scoily (St. Mary's) - -	54	38	49.6	42.3	46.0	0.0	4	0.50	-0.25	*	*
	Jersey (Noirmont) - -										17	25

Stations marked *ft* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—Owing to the interruption in telegraphic communication the values for Sumburgh Head and Stornoway cannot yet be computed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 7.]
New Series.

WEEK ENDING MONDAY, 18TH FEBRUARY, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a “Day degree” signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 4.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH*.	50	33	46	36	41	2 above.	Day deg. 10	Day deg. 59	Day deg. 24	Day deg. 186
	1. SCOTLAND, EAST -	53	32	46	37	42	3 above.	10	91	19	156
	2. ENGLAND, N.E. -	53	33	45	38	41	2 above.	7	100	16	100
	3. ENGLAND, EAST -	56	31	46	37	41	1 above.	11	128	21	108
	4. MIDLAND COUNTIES	55	30	46	37	41	1 above.	12	132	22	104
	5. ENGLAND, SOUTH -	57	30	47	39	43	2 above.	21	160	8	48
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST + -	52	34	46	38	42	2 above.	15	110	10	84
	7. ENGLAND, N.W. + -	53	32	45	37	41	0 (average).	9	119	19	75
	8. ENGLAND, S.W. + -	53	32	48	40	44	1 above.	23	179	6	28
	9. IRELAND, NORTH -	58	31	47	37	42	1 above.	13	136	21	92
	10. IRELAND, SOUTH -	55	33	49	39	44	1 above.	27	209	8	36
	— CHANNEL ISLANDS†	55	36	50	43	46	2 above.	29	217	0	1
DISTRICTS. (See p. 4.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH*.	3	10ths of In. 2	10ths of In. 5 less.	38	Ins. 7.5	22	47	34	11	
	1. SCOTLAND, EAST -	3	4	1 less.	28	4.2	5	87	8	23	
	2. ENGLAND, N.E. -	2	1	4 less.	26	4.1	12	40	18	10	
	3. ENGLAND, EAST -	2	2	3 less.	24	2.2	23	71	34	17	
	4. MIDLAND COUNTIES	4	4	1 less.	29	4.2	13	52	19	12	
	5. ENGLAND, SOUTH -	4	3	2 less.	29	4.1	20	62	28	14	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST + -	5	18	9 more.	41	11.8	7	46	11	12	
	7. ENGLAND, N.W. + -	4	11	4 more.	34	7.8	12	36	17	8	
	8. ENGLAND, S.W. + -	5	13	5 more.	34	6.8	9	46	13	10	
	9. IRELAND, NORTH -	5	7	1 more.	39	7.2	11	55	17	13	
	10. IRELAND, SOUTH -	6	17	9 more.	36	8.4	14	61	21	14	
	— CHANNEL ISLANDS†	5	9	2 more.	32	5.1	14	93	20	21	

General Remarks.

Weather has been generally fair and comparatively dry in the south-eastern, eastern, and north-eastern parts of the Kingdom, but dull elsewhere, with a good deal of rain.

Temperature has been about equal to the mean in “England, N.W.”, but from 1° to 3° above it in all other districts. Readings were high during the first few days of the period, but subsequently became rather low; thus, while on the 13th or 14th the maxima were as high as 56° in “England, E.”, 57° in “England, S.”, and 58° in “Ireland, N.”, on the 16th they were below 40° in many parts of England and Ireland, and at some stations did not exceed 36° or 37°. The minima, which were registered on the 16th, 17th, or 18th, varied from 30° in the “Midland Counties” and “England, S.”, to 34° in “Scotland, W.” and 36° in the “Channel Islands”.

Rainfall has been less than the mean in all the “Wheat-producing Districts”, but considerably more in the “Grazing Districts”.

Bright sunshine shows an increase in duration generally, the percentages varying from 8 in “Scotland, E.” to 28 in “England, S.” and 34 in “Scotland, W.” and “England, E.”.

Depressions observed.—During the early part of this period pressure continued highest over France and N. Germany, while depressions travelled in a northerly direction outside our western coasts. The wind was consequently southerly, and at all our more western and northern stations blew with the force of a strong breeze to fresh gale. As the week advanced, however, the highest pressure was gradually transferred to Denmark and Scandinavia, while over France and our south-western coasts the barometer fell briskly. With this change in the distribution of pressure, strong south-south-easterly gales were experienced in Scotland, moderate to fresh south-easterly gales over the greater part of England and Ireland, and moderate to strong easterly breezes over the Channel and S. of England.

* Returns incomplete for this week; values consequently liable to alteration.

† The accumulated values for these districts have been altered a little in consequence of the receipt of some arrears of observations.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts.
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	TEMPERATURE AND WEATHER at 8 a.m.
		Tuesday, February 12. <i>Weather</i> fair in the E. and S., but cloudy or overcast elsewhere, with rain at Aberdeen and Roche's Point. Rain falling later at most of the western and northern stations. <i>Temperature</i> risen several degrees over the whole of our Islands; readings ranging from 51° at Scilly to 37° at Wick. Maxima exceeding 50° recorded in many parts of the Kingdom. <i>Wind</i> Southerly on all coasts, and varying in force from a moderate breeze at our south-eastern and the Continental stations to a fresh gale over Ireland and Scotland. <i>Sea</i> high or rough on all our western and southern coasts, as well as at Aberdeen. <i>Barometer</i> falling W. and N., rising elsewhere. Pressure highest (above 30.3 ins.) in the S.E. of France, and lowest (below 29.1 ins.) off the W. of Ireland and Scotland. Rise taking place later at many of the western and northern stations.	
		Wednesday, February 13. <i>Weather</i> fair at our eastern and most of the Continental stations, but cloudy and unsettled in the W., with rain in several places. Rain extending later to most parts of the United Kingdom, and lightning occurring at Valencia. <i>Temperature</i> very little changed; readings ranging from 50° at Scilly to 42° at Nairn. Maxima again exceeding 50° in many places, highest being 57° in London, 56° at Cambridge, and 55° at Loughborough. <i>Wind</i> Southerly; strong to a gale at some of the western stations, moderate or fresh elsewhere. Subsequently backing to South-East in many parts of England. <i>Sea</i> high or rough on all our western and southern coasts. <i>Barometer</i> rising at all but our southern and the French stations—quickly in Scandinavia. Large area of high pressure lying over northern and central Europe, and lowest readings still reported on our western coasts. Rise continuing all day, and extending to the southern stations.	
		Thursday, February 14. <i>Weather</i> dull in Scotland, with rain at Sumburgh Head, but fair in most other localities. Fine weather subsequently becoming general. <i>Temperature</i> fallen in most places; readings ranging from 47° at York, Dover, and in London, to 36° at Parsonstown. Maxima again exceeding 50° in many parts of the United Kingdom. <i>Wind</i> South-Easterly on eastern shores of North Sea, but South-Westerly or Southerly elsewhere; generally moderate in force. South-Easterly winds becoming general later. <i>Sea</i> rough on our S.W. coasts as well as at Aberdeen; moderate to smooth elsewhere. <i>Barometer</i> rising generally. Readings highest over the Baltic, with a shallow depression covering the N. of Scotland. Depression subsequently moving away northwards, but new disturbance appearing off our S.W. coasts.	
		Friday, February 15. <i>Weather</i> fine at the southern but dull at most of the northern stations, with showers at Stornoway. <i>Temperature</i> fallen at all but the western and a few of the southern stations; readings ranging from 49° at Valencia and Scilly to 39° at Cambridge and Yarmouth. Maxima about 10° lower than on Wednesday, and frost occurring in several places at night. <i>Wind</i> fresh or strong from East or South-East, with gales in the east of Scotland and also on our south-west coasts. <i>Sea</i> rough on nearly all coasts. <i>Barometer</i> falling at our south-western, southern, and the French stations, but rising elsewhere. Pressure still highest over the Baltic, and lowest readings reported from our S.W. coasts; intervening gradients being rather steep.	

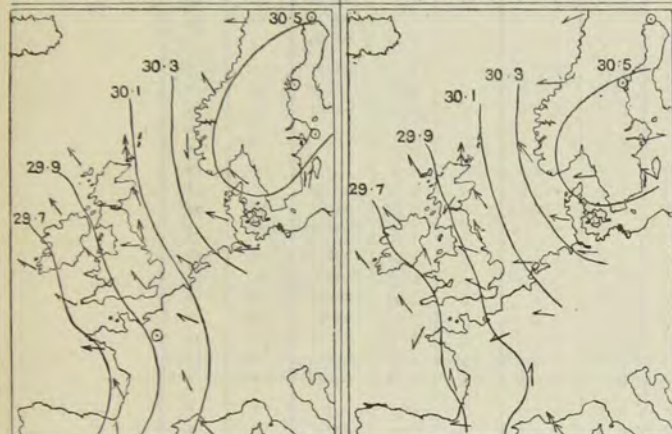
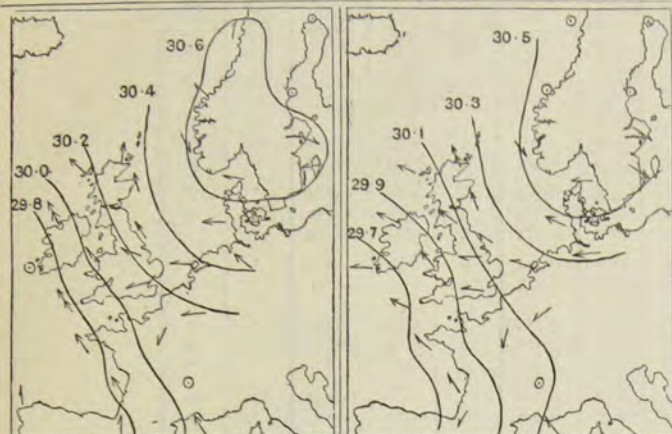
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, February 16.

Weather rainy on our south-western and dull on our north-eastern coasts, but generally fine elsewhere. Rain falling in E. of Scotland later.

Temperature falling generally; readings ranging from 45° at Scilly to 34° at Oxford. Maxima below 40° at some of our eastern and central stations.

Wind South-Easterly; strong in force generally, with gales on many parts of our coasts.

Sea high off the E. of Scotland, rough elsewhere.

Barometer changing little. Readings highest Scandinavia and area of low pressure still lying off our S.W. coasts. Fall taking place generally later.

Sunday, February 17.

Weather cloudy or overcast at all but our south-eastern stations, with showers in the S.W. Rain falling later in W. and N. generally.

Temperature risen France, little changed elsewhere; readings ranging from 46° at Scilly to 36° in London.

Wind South-Easterly, fresh or strong in force generally, with gales in the east of Scotland.

Sea high off the E. of Scotland, and rough on several of the more exposed parts of our coasts.

Barometer falling generally, most in E., but distribution of pressure same as on previous day. Fall continuing all day.

Monday, February 18.

Weather fine at several of the eastern and south-eastern stations, but cloudy or overcast elsewhere, with rain in the W. Rain extending to our southern coasts later.

Temperature risen a little in W. and N., fallen elsewhere; readings ranging from 50° at Scilly to 34° in London.

Wind still South-Easterly, fresh or strong in force generally, with gales in the east of Scotland.

Sea high off the E. of Scotland, and rough at all the eastern as well as at several of the western stations.

Barometer falling generally—most in S.W. Distribution of pressure little changed, but high pressure area over Scandinavia gradually breaking up. Rise of barometer taking place over France in evening.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on the first page of the Report has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
		°	°	°	°	°	°		Inches.	Inches.	°	°
0. SCOTLAND, N.	Sumburgh Head	50	33	46.9	35.9	41.4	+ 2.1	4	0.24	-0.73	22	34
	Stornoway	49	34	44.1	35.9	40.0	+ 1.1	2	0.24	-0.26	•	•
	Wick	52	32	46.3	37.0	41.7	+ 2.7	1	0.12	-0.24	•	•
1. SCOTLAND, E.	Aberdeen	50	33	44.0	37.6	40.8	+ 2.3	5	0.68	+0.10	5	8
	Leith	53	33	46.4	37.6	42.0	+ 2.4	3	0.28	-0.12	•	•
	Alnwick Castle	50	33	43.4	38.3	40.9	+ 1.9	3	0.21	?	•	•
2. ENGLAND, N.E.	Shields	51	34	44.7	38.6	41.7	+ 2.1	1	0.05	-0.35	•	•
	Durham	53	35	45.0	38.2	41.6	+ 2.4	2	0.02	-0.38	•	•
	Scarborough	53	34	46.3	37.7	42.0	+ 2.3	2	0.02	-0.30	12	18
	York	49	35	43.7	36.9	40.3	+ 0.7	0	—	?	•	•
	Spurn Head	55	31	46.7	35.9	41.3	+ 1.8	0	—	-0.49	23	34
3. ENGLAND, E.	Hillington	48	35	42.7	37.6	40.2	- 0.5	2	0.22	-0.29	•	•
	Yarmouth	54	35	45.1	37.8	41.5	+ 0.6	3	0.26	-0.16	29	43
	Geldeston	56	31	47.7	36.4	42.1	+ 1.5	1	0.06	-0.33	16	24
	Cambridge	54	32	46.0	36.1	41.5	+ 1.7	3	0.25	-0.28	•	•
	Rothamsted	54	33	46.7	37.0	41.9	+ 1.7	1	0.03	-0.37	•	•
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	55	34	47.6	37.9	42.8	+ 2.8	4	0.10	-0.35	•	•
	Loughborough	55	32	47.4	36.5	42.0	+ 2.0	2	0.08	-0.37	13	19
	Leicester	51	31	44.5	35.1	39.8	+ 0.5	5	0.38	?	•	•
	Birmingham (Oscott)	53	31	44.4	35.5	40.0	- 0.6	4	0.99	?	9	15
	Cheadle	55	32	46.9	36.8	41.9	+ 0.9	6	0.74	+0.22	•	•
	Churchstoke	50	30	45.0	35.0	40.0	0.0	5	0.36	-0.32	16	24
	Hereford	54	32	46.9	38.6	42.8	+ 2.0	3	0.27	-0.21	12	18
	Cirencester	57	33	47.9	38.3	43.1	+ 1.6	3	0.16	-0.26	15	22
5. ENGLAND, S.	Oxford	52	30	45.8	35.5	40.7	+ 0.5	5	0.51	-0.14	15	22
	London†	55	31	48.7	36.9	42.8	+ 1.7	2	0.20	-0.30	•	•
	Marlborough	50	35	45.6	40.0	42.8	+ 0.9	3	0.26	-0.24	•	•
	Strathfield Turgiss	52	36	47.4	41.3	44.4	+ 2.5	3	0.28	-0.23	32	46
	Dover	55	34	47.3	41.1	44.2	+ 2.7	5	0.46	-0.22	16	23
	Hastings (St. Leonard's)	54	37	48.7	40.7	44.7	+ 2.2	4	0.35	-0.28	•	•
	Southampton	50	36	46.7	38.1	42.4	+ 2.5	5	2.17	?	•	•
6. SCOTLAND, W.	Hurst Castle	50	34	45.1	37.7	41.4	+ 2.0	5	2.08	+1.13	5	8
	Laudale (Loch Sunart)	47	35	44.6	37.7	41.2	+ 1.6	6	1.36	+0.66	•	•
	Glasgow	52	35	46.0	38.1	42.1	+ 1.3	4	1.30	+0.65	12	18
	Ardrossan	51	35	44.9	40.4	42.7	+ 1.5	5	2.13	+1.17	4	6
	Silloth (Cumberland)	49	32	43.4	34.4	38.9	- 1.7	3	1.14	?	18	27
7. ENGLAND, N.W.	Douglas (Isle of Man)	48	35	44.3	38.9	41.6	+ 0.4	5	1.45	?	•	•
	Newton Reigny (Penrith)	51	33	45.7	36.5	41.1	+ 1.6	4	0.49	-0.45	6	9
	Barrow-in-Furness	51	34	45.6	37.7	41.7	+ 0.3	4	0.75	+0.15	10	15
	Stonyhurst	52	34	45.8	36.4	41.1	+ 0.8	3	0.30	-0.30	•	•
	Blackpool	52	34	45.6	38.4	42.0	+ 0.5	4	0.99	+0.46	•	•
	Manchester	53	32	45.9	37.6	41.8	- 0.7	4	1.04	+0.44	12	18
	Liverpool Obs (Bidston)	50	33	46.1	37.1	41.6	- 1.4	6	2.51	+1.87	•	•
	Llandudno	50	36	46.0	39.7	42.9	- 0.8	5	1.87	+1.17	8	12
8. ENGLAND, S.W.	Holyhead	51	34	46.9	36.4	41.7	0.0	5	0.68	?	•	•
	Pembroke	53	32	48.0	37.9	43.0	+ 0.7	5	1.26	?	10	14
	Arlington (N. Devon)	51	39	48.8	44.0	46.4	+ 2.4	6	1.95	+0.87	11	16
	Cullompton	53	37	50.1	40.6	45.4	+ 1.9	5	1.67	+0.86	7	10
	Falmouth	53	35	48.1	40.4	44.3	+ 0.9	3	0.46	?	•	•
9. IRELAND, N.	Prawle Point	53	31	47.3	35.5	41.4	+ 0.9	4	0.62	-0.08	•	•
	Londonderry	52	34	47.1	38.9	43.0	+ 1.9	4	0.44	-0.17	•	•
	Mullaghmore	52	33	46.8	36.3	41.6	+ 1.2	4	0.29	?	16	24
	Markree Castle	51	35	45.6	36.3	41.0	+ 1.2	4	0.80	?	•	•
	Brookeborough	58	34	46.5	36.8	41.7	+ 0.7	5	0.94	+0.34	6	9
	Armagh	49	33	45.4	37.3	41.4	+ 0.3	6	1.29	?	•	•
10. IRELAND, S.	Donaghadee	52	36	47.2	39.1	43.2	+ 1.1	5	1.54	+0.96	7	10
	Dublin	52	33	48.1	36.6	42.4	+ 1.4	4	0.33	-0.23	16	24
	Parsonstown	55	35	49.4	41.0	45.2	+ 2.9	5	1.63	?	•	•
	Kilkenny (The Castle)	51	35	47.8	38.3	43.1	- 0.6	6	3.28	+2.29	•	•
	Waterford	52	39	50.9	41.3	46.1	+ 2.0	6	2.13	+1.07	•	•
	Roche's Point	53	40	50.7	41.9	46.3	+ 0.9	6	1.89	+0.67	19	28
	Valencia	52	35	46.5	36.9	43.2	+ 1.2	7	1.35	?	•	•
CHANNEL ISLANDS	Foynes	54	42	50.3	44.4	47.4	+ 1.4	6	1.27	+0.61	•	•
	Scilly (St. Mary's)	55	36	48.9	40.7	44.8	+ 2.3	3	0.47	-0.18	14	20
	Jersey (Noirmont)											

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—Owing to the interruption in telegraphic communication the values for Sumburgh Head cannot yet be computed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 8.]
New Series.

WEEK ENDING MONDAY, 25TH FEBRUARY, 1884.

[Price 4d.
Annual subscription,
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DISTRICTS. (See p. 4.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH†	48	30	45	36	41	1 above.	Day deg. 9	Day deg. 66	Day deg. 21	Day deg. 205
	1. SCOTLAND, EAST -	51	28	46	35	41	1 above.	11	102	28	184
	2. ENGLAND, N.E.* -	51	29	46	37	42	2 above.	12	112	23	123
	3. ENGLAND, EAST -	54	29	49	37	43	3 above.	29	157	13	121
	4. MIDLAND COUNTIES	54	25	49	37	43	2 above.	27	159	15	119
	5. ENGLAND, SOUTH -	54	32	50	40	45	3 above.	28	188	4	52
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	52	29	46	37	41	1 above.	11	121	20	104
	7. ENGLAND, N.W. -	53	31	46	37	42	0 (average).	12	131	21	96
	8. ENGLAND, S.W. -	54	35	49	41	45	2 above.	25	204	2	30
	9. IRELAND, NORTH -	52	30	47	37	42	1 above.	14	150	22	114
	10. IRELAND, SOUTH -	54	32	48	38	43	0 (average)	23	232	11	47
	— CHANNEL ISLANDS	53	40	50	44	47	3 above.	36	253	0	1
DISTRICTS. (See p. 4.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH†	6	10ths of In. 8	10ths of In. 1 more.	45	Ins. 8.4	21	68	31	14	
	1. SCOTLAND, EAST -	5	3	1 less.	33	4.5	24	111	35	24	
	2. ENGLAND, N.E.* -	4	2	2 less.	30	4.3	19	59	27	12	
	3. ENGLAND, EAST -	6	5	0 (average).	30	2.7	18	89	25	18	
	4. MIDLAND COUNTIES	6	5	1 more.	35	4.7	22	74	32	15	
	5. ENGLAND, SOUTH -	6	8	3 more.	35	4.9	21	83	29	16	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	6	15	4 more.	47	13.3	17	63	24	13	
	7. ENGLAND, N.W. -	6	9	3 more.	40	8.7	16	49	23	10	
	8. ENGLAND, S.W. -	7	12	4 more.	41	8.0	13	59	17	11	
	9. IRELAND, NORTH -	6	14	8 more.	45	8.6	18	73	26	15	
	10. IRELAND, SOUTH -	6	17	9 more.	42	10.1	17	78	24	16	
	— CHANNEL ISLANDS	7	8	2 more.	39	5.9	28	121	38	23	

General Remarks.

Weather, with the exception of a few bright intervals, has been generally cloudy or dull, with frequent falls of rain. Thunder and lightning occurred in the W. during the night of the 19th.

Temperature has been about equal to the mean in "England, N.W." and "Ireland, S.", but has continued from 1° to 3° above it elsewhere. The maxima were registered in most places on the 20th, and varied from 48° in "Scotland, N." to 54° in most of the English districts and in "Ireland, S." The minima, which were recorded on the 19th in most parts of Great Britain, on various dates in Ireland, and on the 24th in the N. of Scotland, ranged from 25° in the "Midland Counties" to 35° in "England, S.W." and 40° in the "Channel Islands".

Rainfall has been a little less than the mean in "Scotland, E." and "England, N.E.", and about equal to it in "England, E.", but more in all other districts, the excess in Ireland being considerable.

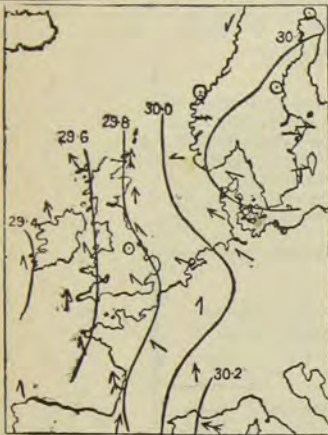
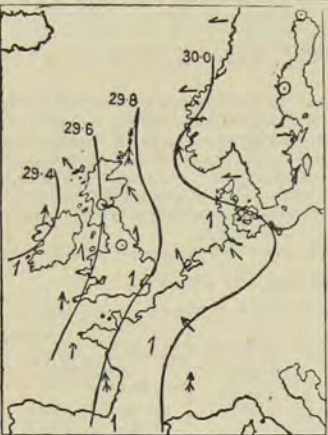
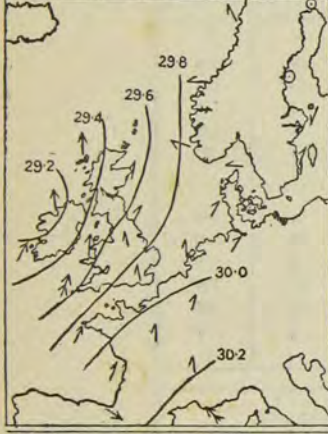
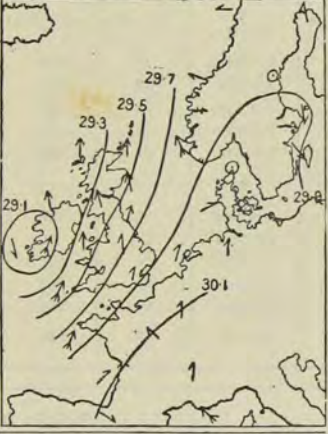
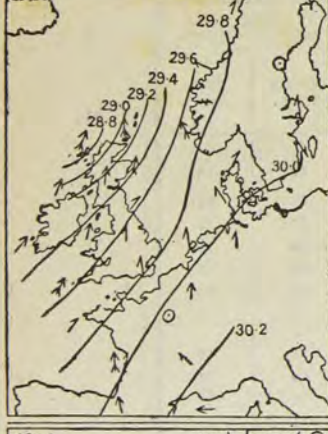
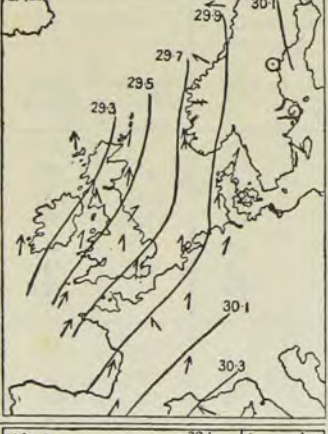
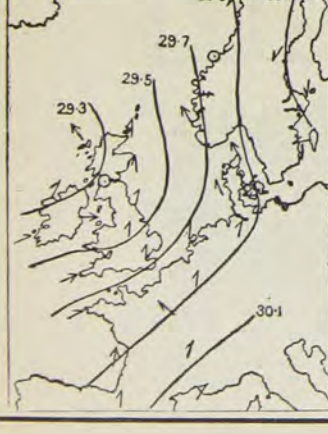
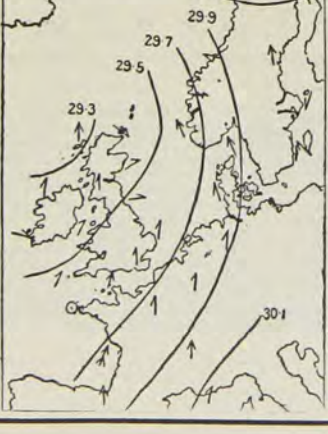
Bright sunshine shows an increase in duration in nearly all districts, the percentages of possible duration varying from 17 in "England, S.W." to 35 in "Scotland, E." and 38 in the "Channel Islands".

Depressions observed.—At the commencement of the period the barometer was highest over Scandinavia and the S.E. of France, and lowest to the westward of our Islands. In the former region the high pressure area soon gave way, but in the latter it increased somewhat and extended westwards. During the first few days a series of large depressions travelled northwards outside our western and northern coasts, causing strong southerly winds at all our stations, while later on some smaller disturbances moved in an easterly direction across our Islands and the North Sea, and westerly to north-westerly breezes became general. The depression which most affected the strength of the wind in our Islands, however, was a small but deep disturbance, subsidiary to larger systems over the Atlantic, which by 6 p.m. on the 20th had appeared over the S. of Ireland, and, travelling with excessive rapidity northwards during the night, caused violent southerly gales on all our western and northern coasts, and moderate to fresh gales in all other parts of the Kingdom.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values "Since Jan. 1st" for this district have been altered a little in consequence of the receipt of some arrears of observations.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, February 19. <i>Weather</i> fine in the E. of Scotland and S. of France, but cloudy or overcast elsewhere, with rain at most of the English and some of the French stations. Rain falling generally later, with thunder and lightning in the W. and S.W. <i>Temperature</i> risen over France and the S. of our Islands; readings ranging from 50° at Scilly to 35° at York. <i>Wind</i> South-Easterly or Southerly; moderate or fresh in force in most districts, with a gale in the east of Scotland. <i>Sea</i> rough on the E. coasts of Great Britain, as well as at Scilly. <i>Barometer</i> rising S. of France, falling elsewhere. Anticyclone lying over the S. of Scandinavia, and area of low pressure off our S.W. coasts, intervening gradients being rather steep. Rise taking place later in W. and S.	
		Wednesday, February 20. <i>Weather</i> fair in Scotland and the greater part of England, but cloudy or overcast elsewhere, with showers at Mullaghmore and rain at Scilly, Charleville, and Paris. Rain falling subsequently at all our western and northern stations. <i>Temperature</i> fallen a few degrees in Ireland, but risen elsewhere; readings ranging from 48° at Scilly to 40° at Nairn. Maxima exceeding 50° in many places. <i>Wind</i> South-Easterly in the west of Norway, and South-Westerly in France, but generally Southerly over our Islands. Strong to a gale in force on our western and south-western coasts. Severe Southerly gale blowing at night in Scotland, the east of Ireland, and the west and south-west of England. <i>Sea</i> rough on our W. and S.W. coasts, moderate to smooth elsewhere. <i>Barometer</i> falling at all but our southern and the French stations. Readings highest S.E. of France, but relatively high over Scandinavia. Large depression lying off the W. of Ireland. Small but deep disturbance, subsidiary to larger systems over the Atlantic, moving with great rapidity across Ireland and Scotland late in evening.	
		Thursday, February 21. <i>Weather</i> fair at many of the northern and eastern stations, but unsettled and rainy in the W. and S. Rain falling generally later, and lightning occurring in W. and N. in evening. <i>Temperature</i> fallen a little; readings ranging from 48° at Scilly to 36° at Parsonstown. Maxima exceeding 50° over central England. <i>Wind</i> Southerly or South-Westerly on all coasts; moderate or fresh in the east and south, but strong to a gale in the west and north. Gale subsequently moderating. <i>Sea</i> high at Scilly, and rough on nearly all parts of our coasts. <i>Barometer</i> rising in Ireland and also in Sweden, but falling elsewhere. Pressure still highest over the S.E. of France, with large depression lying off the N.W. of Scotland. Depression dispersing later, and barometer rising quickly on our northern coasts.	
		Friday, February 22. <i>Weather</i> fair at most stations, but with showers locally. Rain falling later at all the western and southern as well as at some of the northern stations. <i>Temperature</i> changed irregularly; readings ranging from 48° at Scilly to 35° at Nairn and Parsonstown. <i>Wind</i> North-Easterly in Sweden and South-Easterly in Norway and the extreme north of Scotland, but generally South-Westerly elsewhere; moderate or fresh in force on all coasts. <i>Sea</i> rough on some parts of our western and southern coasts. <i>Barometer</i> still rising in Sweden and also on our western coasts, but falling elsewhere. Readings still highest in the S.E. of France, but second area of relatively high pressure forming over the Baltic and Gulf of Bothnia. Large but shallow depression lying off our N.W. coasts.	

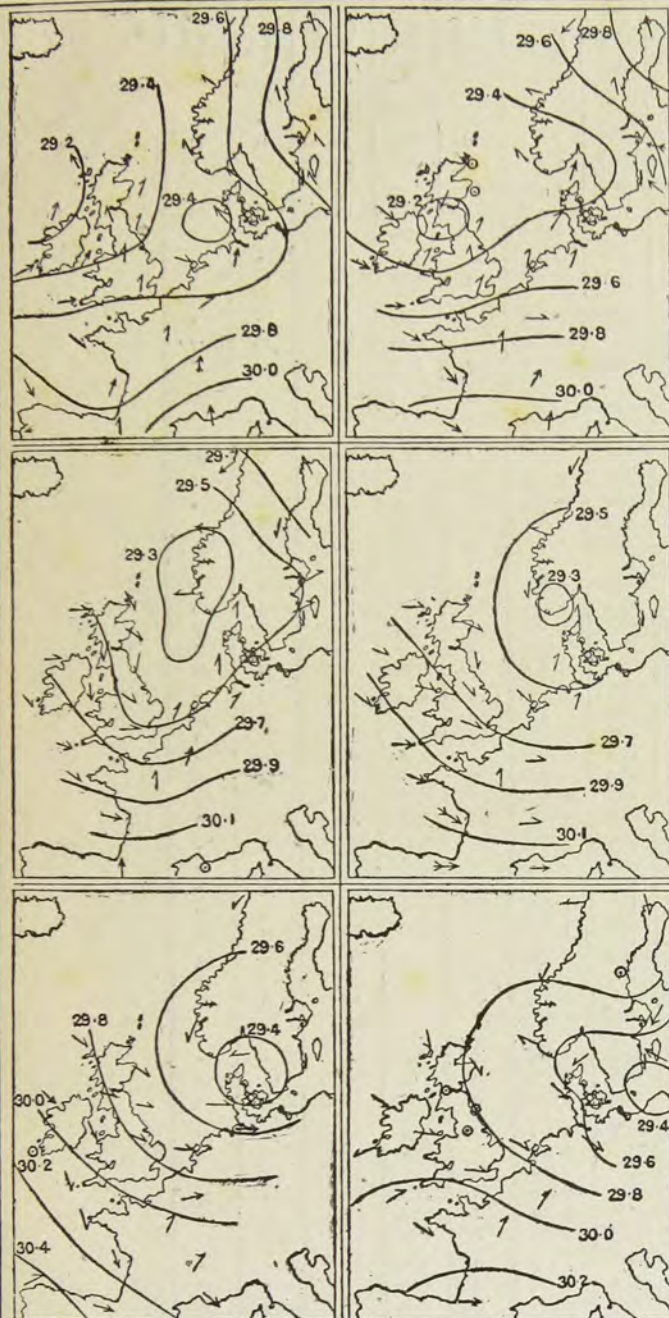
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, February 23.

Weather fine on the E. and S. coasts of Great Britain, but cloudy or overcast in all other localities, with showers in the W. and S.W. Rain falling later in all parts of the Kingdom.

Temperature fallen at all but the Irish and Swedish stations; readings over our Islands ranging from 48° at Scilly to 33° at Aberdeen.

Wind South-Easterly in Scandinavia, Denmark, and the extreme north of Scotland, but South-Westerly elsewhere; strong in force on the eastern shores of the North Sea, but moderate over our Islands and France. Subsequently increasing to strong breeze from west in Channel.

Sea rough on some parts of our western and south-western coasts.

Barometer falling generally. Readings still highest S.E. of France, and relatively high in Sweden, with a large depression lying off our N.W. coasts, and a smaller disturbance near Fanö. Well defined but somewhat shallow depression subsequently passing across our northern districts in an easterly direction, and recovery of pressure taking place in W.

Sunday, February 24.

Weather unsettled and rainy on eastern shores of North Sea, but fine in most parts of our Islands and France. Showers falling later in several parts of the country.

Temperature fallen over the S. of France and N. of Scotland, but risen elsewhere; readings ranging from 49° at Scilly to 31° at Wick.

Wind Easterly in the west of Norway, but North-Westerly or Westerly in our Islands and France. Strong in force in Channel, but light or moderate elsewhere.

Sea rough in Channel, but moderate to smooth on all our more northern coasts.

Barometer rising at all but the Scandinavian and Danish stations. Readings highest S. of France; with large area of low pressure lying over and to the southward of Norway. Rise continuing all day and extending to eastern shores of North Sea in evening.

Monday, February 25.

Weather fine at all but our north western stations, where showery. Showers falling later in many parts of our Islands.

Temperature fallen at all but the Scotch stations; readings ranging from 48° at Scilly to 36° at Wick.

Wind light Easterly in Norway, but moderate Westerly or North-Westerly over our Islands and France. Subsequently backing to West or South-West on our western coasts.

Sea rather rough at Holyhead, slight or smooth on all other parts of our coasts.

Barometer rising generally. Area of low pressure noticed over Norway on previous day passing away eastwards, and readings highest over the N. of Spain. Slight fall taking place later on our S.W. coasts and small depression advancing towards Ireland.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on the first page of the Report has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
O. SCOTLAND, N.	Sumburgh Head	°	°	°	°	°	°		Inches.	Inches.	°	°
	Stornoway	48	30	45.6	36.1	40.9	+ 1.4	6	1.30	+0.39	21	31
	Wick	46	30	44.9	35.4	40.2	+ 1.2	5	0.34	-0.16	°	°
1. SCOTLAND, E.	Nairn	50	28	45.9	33.6	39.8	+ 0.5	4	0.15	-0.20	°	°
	Aberdeen	47	31	45.1	36.6	40.9	+ 1.9	5	0.60	+0.04	24	35
	Leith	51	32	47.1	34.9	41.0	+ 1.0	6	0.23	-0.15	°	°
2. ENGLAND, N.E.	Alnwick Castle	48	29	44.4	34.7	39.6	+ 0.6	3	0.12	?	°	°
	Shields	50	34	46.1	36.1	41.1	+ 1.2	4	0.23	-0.17	°	°
	Durham	°	°	°	°	°	°	°	°	°	°	°
	Scarborough	51	36	46.7	38.7	42.7	+ 2.9	5	0.29	-0.11	°	°
	York	51	31	48.0	35.3	41.7	+ 1.7	6	0.34	-0.07	19	27
3. ENGLAND, E.	Spurn Head	49	36	46.3	38.0	42.2	+ 2.5	4	0.21	?	°	°
	Hillington	53	29	48.7	36.2	42.5	+ 2.5	6	0.44	-0.03	18	25
	Yarmouth	52	36	48.1	38.9	43.5	+ 2.5	5	0.26	-0.24	°	°
	Geldeston	54	32	49.1	38.1	43.6	+ 2.6	6	0.29	-0.12	17	24
	Cambridge	54	29	51.1	35.9	43.5	+ 2.7	7	0.76	+0.39	19	26
4. MIDLAND COUNTIES	Rothamsted	52	32	49.2	37.4	43.3	+ 3.0	7	0.68	+0.18	°	°
	Bawtry (Hesley Hall)	53	27	49.1	35.3	42.2	+ 1.4	7	0.25	-0.15	°	°
	Loughborough	53	35	49.6	37.7	43.7	+ 3.1	5	0.43	+0.01	°	°
	Leicester	52	31	49.3	37.2	43.3	+ 2.8	6	0.32	-0.10	21	30
	Birmingham (Oscott)	51	25	48.3	34.9	41.6	+ 1.2	7	0.39	-0.13	°	°
	Cheadle	49	30	46.3	35.4	40.9	+ 1.1	6	0.54	?	°	°
	Churchstoke	50	34	47.7	36.1	41.9	+ 1.3	6	1.04	?	21	30
	Hereford	54	35	49.7	37.6	43.7	+ 2.3	5	0.68	+0.18	°	°
	Cirencester	50	31	48.1	36.4	42.3	+ 2.0	4	0.43	-0.18	22	31
	Oxford	53	35	50.3	39.4	44.9	+ 3.9	5	0.81	+0.38	25	35
5. ENGLAND, S.	London†	54	33	51.3	39.1	45.2	+ 3.3	5	0.43	+0.04	15	21
	Marlborough	50	34	48.7	37.8	43.3	+ 2.7	6	1.21	+0.61	24	33
	Strathfield Turgiss	53	32	51.0	38.8	44.9	+ 3.1	5	0.70	+0.12	°	°
	Dover	50	35	48.4	41.0	44.7	+ 2.6	7	0.89	+0.40	°	°
	Hastings (St. Leonard's)	50	35	48.6	41.4	45.0	+ 2.8	6	0.66	+0.18	24	33
	Southampton	53	33	51.4	41.7	46.6	+ 4.6	6	0.87	+0.27	21	29
	Hurst Castle	50	40	49.3	42.7	46.0	+ 3.4	6	0.77	+0.17	°	°
6. SCOTLAND, W.	Laudale (Loch Sunart)	48	29	45.5	35.9	40.7	+ 0.7	5	2.71	?	°	°
	Glasgow	49	34	45.0	36.5	40.8	+ 1.1	5	0.87	+0.02	18	26
	Ardrossan	48	35	44.9	36.9	40.9	+ 1.1	7	1.44	+0.68	°	°
	Silloth (Cumberland)	52	33	46.7	36.5	41.6	+ 0.3	7	1.80	+0.20	14	20
	Douglas (Isle of Man)	49	37	46.8	39.1	43.0	+ 1.2	7	1.53	+0.66	20	27
7. ENGLAND, N.W.	Newton Reigny (Penrith)	49	31	44.8	35.0	39.9	- 1.0	7	1.00	?	17	24
	Barrow-in-Furness	48	34	45.4	37.6	41.5	0.0	7	0.85	?	°	°
	Stonyhurst	49	31	45.4	34.4	39.9	0.0	7	1.07	+0.17	14	20
	Blackpool	50	32	46.1	37.1	41.6	+ 0.1	7	0.84	+0.30	17	24
	Manchester	50	32	47.0	36.3	41.7	+ 0.9	7	0.84	+0.26	°	°
	Liverpool Obs (Bidston)	50	35	46.6	37.3	42.0	+ 0.5	5	0.65	+0.25	°	°
	Llandudno	53	38	48.8	39.5	44.2	+ 1.7	6	0.73	+0.18	18	25
8. ENGLAND, S.W.	Holyhead	49	37	47.3	39.6	43.5	+ 0.4	5	1.30	+0.71	°	°
	Pembroke	50	39	47.1	41.9	44.5	+ 0.5	7	1.11	+0.46	14	29
	Arlington (N. Devon)	50	35	47.3	38.3	42.8	+ 1.0	7	1.37	?	°	°
	Cullompton	51	36	49.5	39.8	44.7	+ 2.3	7	1.40	?	9	13
	Falmouth	52	42	49.7	43.2	46.5	+ 2.4	6	1.29	+0.29	15	21
9. IRELAND, N.	Plymouth	54	40	51.3	42.7	47.0	+ 3.0	7	1.14	+0.37	12	16
	Prawle Point	51	39	49.3	41.9	45.6	+ 2.1	7	0.84	?	°	°
	Londonderry	50	30	48.5	36.4	42.5	+ 1.7	6	1.24	+0.54	°	°
	Mullaghmore	51	35	46.7	38.3	42.5	+ 1.3	7	1.83	?	°	°
	Markree Castle	52	33	46.8	36.2	41.5	+ 1.0	7	1.72	?	16	23
10. IRELAND, S.	Brookeborough	50	30	47.4	35.2	41.3	+ 1.5	4	1.19	?	°	°
	Armagh	49	33	46.8	36.9	41.9	+ 0.4	5	0.86	+0.28	20	28
	Donaghadee	49	33	46.0	36.9	41.5	- 0.1	4	1.70	+1.14	°	°
	Dublin	51	38	48.5	39.7	44.1	+ 1.7	5	0.91	+0.38	17	24
	Parsonstown	54	33	47.6	37.1	42.4	+ 0.9	5	1.08	+0.52	18	25
CHANNEL ISLANDS	Kilkenny (The Castle)	48	32	44.0	36.7	40.4	- 2.2	5	1.22	?	°	°
	Waterford	52	35	49.3	38.5	43.9	- 0.1	6	1.25	+0.29	°	°
	Roche's Point	52	36	50.6	39.1	44.9	+ 0.6	7	2.48	+1.47	°	°
	Valencia	54	34	49.3	38.9	44.1	- 1.3	7	3.02	+1.97	16	22
	Foynes	52	33	45.8	37.2	41.5	- 0.7	6	1.86	?	°	°
CHANNEL ISLANDS	Scilly (St. Mary's)	53	42	50.9	44.3	47.6	+ 1.6	6	0.51	-0.11	°	°
	Jersey (Noirmont)	52	40	49.9	43.7	46.8	+ 4.2	7	1.08	+0.46	28	38

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—Owing to the interruption in telegraphic communication the values for Sumburgh Head cannot yet be computed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 9.]
New Series.

WEEK ENDING MONDAY, 3RD MARCH, 1884.

[Price 4d.
[Annual subscription,
post paid, £1 1s. 2d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE
IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 4.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH†	46	31	42	35	38	1 below.	Day deg. 1	Day deg. 66	Day deg. 26	Day deg. 235
	1. SCOTLAND, EAST	46	26	42	32	37	3 below.	0	102	39	223
	2. ENGLAND, N.E.	46	24	41	32	36	3 below.	0	112	39	162
	3. ENGLAND, EAST	49	25	42	30	36	5 below.	0	157	44	162
	4. MIDLAND COUNTIES	51	24	43	31	37	4 below.	4	163	38	157
	5. ENGLAND, SOUTH	50	25	44	33	38	4 below.	6	194	33	85
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	44	29	41	33	37	4 below.	0	121	35	139
	7. ENGLAND, N.W.*	49	26	42	33	37	4 below.	0	131	32	128
	8. ENGLAND, S.W.	53	31	45	38	42	2 below.	8	212	15	45
	9. IRELAND, NORTH	51	27	45	37	41	0 (average)	9	159	21	135
	10. IRELAND, SOUTH	54	34	49	41	45	2 above.	23	255	2	49
	— CHANNEL ISLANDS	52	35	48	42	44	0 (average).	19	272	1	2

DISTRICTS. (See p. 4.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH†	4	10ths of In. 6	10ths of In. 1 less.	49	Ins. 9.0	20	88	28	15
	1. SCOTLAND, EAST	4	3	1 less.	37	4.8	11	122	15	23
	2. ENGLAND, N.E.	4	4	1 less.	34	4.7	8	67	11	12
	3. ENGLAND, EAST	3	4	0 (average).	33	3.1	19	107	26	19
	4. MIDLAND COUNTIES	3	7	3 more.	38	5.4	15	89	20	15
	5. ENGLAND, SOUTH	3	8	3 more.	38	5.7	16	99	21	16
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	3	6	1 less.	50	13.9	9	72	12	13
	7. ENGLAND, N.W.*	3	3	2 less.	43	9.0	13	62	18	11
	8. ENGLAND, S.W.	6	18	10 more.	47	9.8	8	67	10	11
	9. IRELAND, NORTH	6	9	4 more.	51	9.5	5	78	7	14
	10. IRELAND, SOUTH	6	14	6 more.	48	11.5	8	86	10	15
	— CHANNEL ISLANDS	5	14	3 more.	44	7.3	19	140	25	23

General Remarks.

Weather has been generally cloudy or dull in all parts of the Kingdom. Some hail or snow has fallen in the N. and N.E. and rather heavy rain in Ireland and the S.W. of England. Over the greater part of England the weather was dry till the close of the period, when the unsettled rainy conditions previously noticed in the W. had extended eastwards.

Temperature, excepting at the Irish and some of the south-western English stations, has been lower than during any week since that ending December 10th; in most parts of England it has been 4° or 6° below the mean, and in Scotland from 1° to 4°; but in "Ireland, S." it has been 2° above it, while in "Ireland, N." and the "Channel Islands" it has equalled its normal value. The maxima, which were generally registered either on February 26th or March 3rd, ranged from 44° in "Scotland, W." to 54° in "Ireland, S." The minima, which were recorded on different days in the various districts, ranged from 24° to 26° in most parts of England, to 34° in "Ireland, S." and 35° in the "Channel Islands".

Rainfall has been a little less than the mean in Scotland and the N. of England, but more elsewhere.

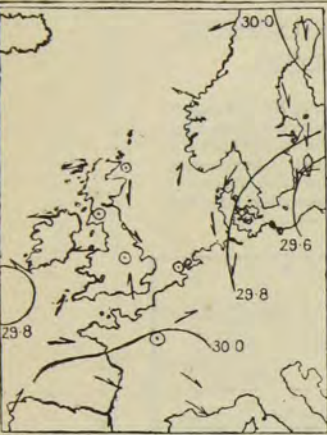
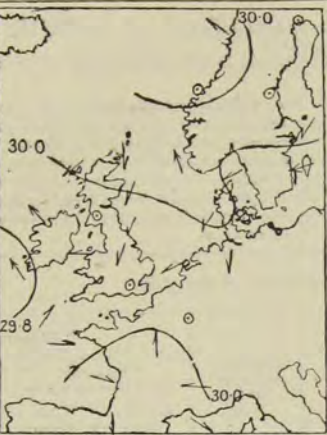
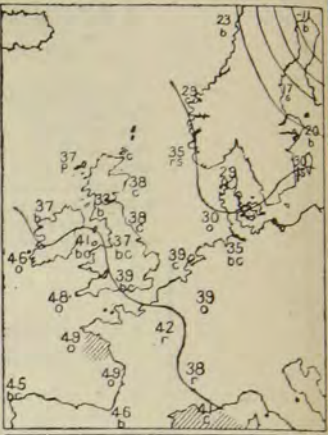
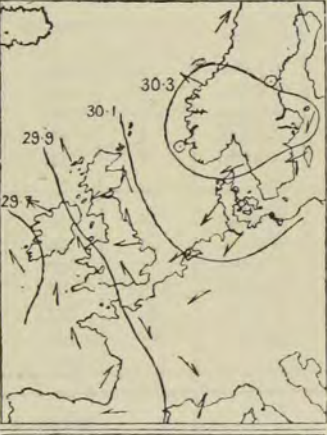
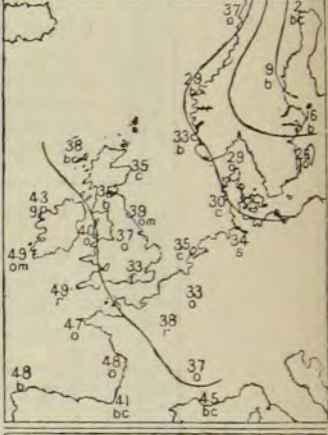
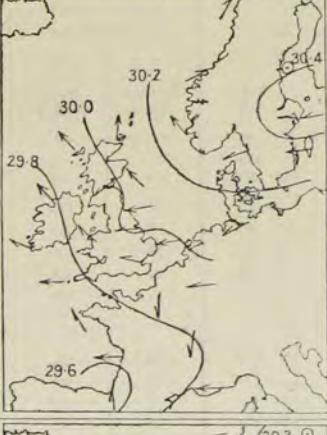
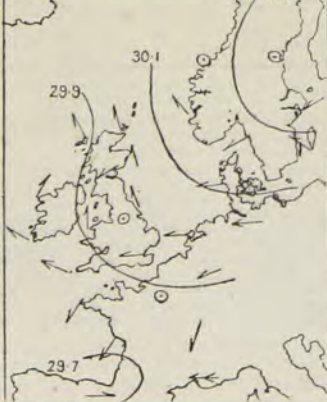
Bright sunshine has been less prevalent than during last week, the percentages of possible duration varying from 7 in "Ireland, N." and 11 in "England, N.E.", to 28 in "Scotland, N."

Depressions observed.—Soon after the commencement of this period, pressure began to decrease over France and the S.W. of our Islands, and to increase in Scandinavia. Over the former region the barometer became comparatively low, while in the latter an area of high pressure was formed. No depressions appeared in our immediate neighbourhood until the last day of the period, when some disturbances were shown in the N.W. The wind, which at the opening of the week was light and variable, subsequently shifted to the eastward in the S. and S.E., to S.E. in the W., and to S.S.E. or S. in the N., and in some places blew freshly or strongly. At the end of the period (owing to the disturbances in the N.W.) westerly breezes had set in over Ireland and southerly winds over the whole of Great Britain.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values "Since Jan. 1st" for this district have been altered a little in consequence of the receipt of some arrears of observations.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.		
		Tuesday, February 26. <i>Weather</i> fine in the E. and S.E. of our Islands, but showery in the N., and rainy at several of our south-western and the French stations. <i>Temperature</i> fallen a little in most places; readings ranging from 48° at Scilly to 32° at Barrow-in-Furness. <i>Wind</i> Northerly on the Danish and our eastern coasts, but South-Easterly in Ireland and Westerly in the Bay of Biscay; light or moderate in force generally. Wind subsequently increasing to fresh breeze on the Irish coasts. <i>Sea</i> slight or smooth. <i>Barometer</i> falling briskly on our S.W. coasts, and slightly in France, but rising elsewhere. Pressure relatively high off our northern coasts and also over the N. of Sweden and S. of France. Depression passing away over the Baltic, but new disturbance approaching the S. of Ireland.	
		Wednesday, February 27. <i>Weather</i> cloudy or overcast at all but the eastern stations, with rain in the W. and S.W. Showers falling later in the E. of England. <i>Temperature</i> risen in the W., but changed irregularly elsewhere; readings ranging from 49° at Valencia and Scilly to 34° at Nairn and 33° in London. <i>Wind</i> North Easterly in Denmark, and Variable in France, but South-Easterly or Southerly in all parts of our Islands. Fresh in force on our west and south-west coasts, but light or moderate elsewhere. <i>Sea</i> moderate or smooth on all coasts. <i>Barometer</i> rising at all but our western and the French stations. Large anticyclone lying over Scandinavia and the N. of Denmark, with relatively low pressures off our S.W. coasts.	
		Thursday, February 28. <i>Weather</i> fine in the N. of Sweden and S. of France, but cloudy or overcast elsewhere, with rain at some of the western stations and snow showers in the eastern parts of Great Britain. <i>Temperature</i> fallen a little in most places; readings ranging from 49° at Valencia and Scilly to 32° at Cambridge. Maxima below 40° on our E. coasts. <i>Wind</i> Easterly in Denmark, but South-Easterly in our Islands and France; moderate or fresh in force generally. <i>Sea</i> rather rough on the E. coasts of England, as well as at Mullaghmore. <i>Barometer</i> falling over France and our S.W. coasts; rising elsewhere. Distribution of pressure similar to that of previous day. Fall subsequently extending over the whole of our Islands.	
		Friday, February 29. <i>Weather</i> fine over Scotland, the greater part of France, and the S.E. of England; cloudy or overcast elsewhere, with rain at Mullaghmore. Rain or snow falling later at all western and northern stations, and bright aurora seen in the E. of Scotland at night. <i>Temperature</i> fallen generally; readings ranging from 48° at Valencia to 26° at Nairn. Maxima again below 40° on our E. coasts. <i>Wind</i> Easterly in Denmark, France, and the south of our Islands, but South-Easterly elsewhere; fresh or strong in force on our western coasts. <i>Sea</i> rather rough in the S.W.; moderate or slight elsewhere. <i>Barometer</i> falling generally, but distribution of pressure similar to that of Wednesday. Slight rise taking place in most districts during latter part of day.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.		
		Saturday, March 1. <i>Weather</i> fine in Sweden, France, and the S.E. of England, but cloudy or overcast elsewhere, with snow in the E. of Scotland and rain in Wales. Rain falling later at most of our western stations. <i>Temperature</i> fallen a little over France, but risen on some parts of our northern coasts; readings ranging from 48° at Valencia to 30° at Cambridge. Maximum readings below 40° at many of our northern and eastern stations. <i>Wind</i> Easterly in Denmark and the south of our Islands, but South-Easterly or Southerly elsewhere; moderate in force at most stations in morning, but afterwards increasing to moderate gale from South at Wick. <i>Sea</i> rather rough at Aberdeen and Valencia, but moderate to smooth elsewhere. <i>Barometer</i> rising a little in most places and general distribution of pressure unaltered. Slight fall taking place at our northern stations in evening.	
		Sunday, March 2. <i>Weather</i> dull in Sweden, Denmark, and the W. and N. of our Islands with showers at Stornoway and Mullaghmore, but generally fine elsewhere. Rain falling later at several of our western stations and lightning seen at Scilly in evening. <i>Temperature</i> fallen a little in the S. of England, but risen in Scotland; readings ranging from 48° at Valencia to 30° at Loughborough. <i>Wind</i> Easterly in Denmark and North-Easterly over the east and south of England, but still South-Easterly or Southerly elsewhere. Light or moderate in force generally in morning, but increasing to strong breeze over Ireland in evening. <i>Sea</i> rather rough at Wick and Spurn Head, moderate or slight elsewhere. <i>Barometer</i> falling a little over the Netherlands and S. of Denmark, but rising in all other parts of western Europe. General distribution of pressure still very little changed. Brisk fall of barometer taking place on our extreme western coasts in evening.	
		Monday, March 3. <i>Weather</i> fine at our south-eastern and most of the French stations, but cloudy or overcast elsewhere, with heavy rain in the W. and S.W., and snow over central England. Rain extending later to all parts of our Islands. <i>Temperature</i> risen over Scandinavia, Denmark, and the S. of our Islands; readings ranging from 50° at Scilly to 33° at Nairn, York, and Cambridge. Maxima over England several degrees higher than of late. <i>Wind</i> Easterly in Scandinavia and Denmark, but South-Easterly or Southerly in our Islands and France, and Westerly in Ireland; fresh or strong in force on most coasts. Subsequently veering to West and falling light at most of our western stations. <i>Sea</i> very high at Wick and rough on several parts of our western and southern coasts. <i>Barometer</i> rising over France, falling elsewhere. Pressure still highest over Scandinavia, but large depression lying off our N.W. coasts, and subsidiary disturbance over the S.E. of Ireland. Both moving north-eastwards later, and barometer rising in W.	

Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on the first page of the Report has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	°	°	°	°	°	°		Inches.	Inches.	*	*
	Stornoway	46	33	43.0	34.9	38.9	- 0.8	3	0.68	- 0.22	20	28
	Wick	46	31	41.7	34.1	37.8	- 1.1	5	0.54	+ 0.09	*	*
1. SCOTLAND, E.	Nairn	45	26	42.0	31.0	36.4	- 3.2	2	0.07	- 0.31	*	*
	Aberdeen	44	30	41.0	33.0	36.9	- 2.0	7	0.57	+ 0.02	11	15
	Leith	46	26	41.4	31.4	36.3	- 4.0	3	0.18	- 0.17	*	*
2. ENGLAND, N.E.	Alnwick Castle	42	24	39.6	31.0	35.2	- 4.0	4	0.45	?	*	*
	Shields	44	30	40.6	32.9	36.7	- 3.2	5	0.19	- 0.18	*	*
	Durham	42	27	40.3	29.9	35.0	- 4.4	5	0.20	- 0.28	8	11
	Scarborough	44	31	40.5	33.4	36.9	- 2.8	5	0.44	+ 0.04	*	*
	York	46	27	42.3	31.0	36.6	- 3.4	2	0.36	- 0.04	8	11
	Spurn Head	43	32	40.3	31.6	37.4	- 2.4	5	0.44	?	*	*
3. ENGLAND, E.	Hillington	46	25	42.3	28.2	35.1	- 4.9	2	0.44	+ 0.04	23	31
	Yarmouth	43	29	39.9	32.7	36.2	- 4.7	6	0.31	- 0.17	*	*
	Geldeston	46	25	41.6	29.4	35.3	- 4.6	5	0.33	- 0.07	12	16
	Cambridge	49	26	44.7	29.0	36.7	- 4.1	1	0.22	- 0.13	23	31
	Rothamsted	45	26	41.8	28.6	35.1	- 5.7	3	0.72	+ 0.26	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	47	24	43.4	29.3	36.2	- 4.4	3	0.49	+ 0.09	*	*
	Loughborough	49	28	44.7	30.6	37.6	- 3.1	2	0.65	+ 0.25	*	*
	Leicester	46	28	44.5	31.2	37.7	- 2.7	2	0.52	+ 0.12	14	19
	Birmingham (Oscott)	48	25	43.0	30.4	36.5	- 3.9	2	0.71	+ 0.21	*	*
	Cheadle	46	26	41.2	30.7	35.9	- 3.9	3	0.54	?	*	*
	Churchstoke	47	27	41.9	31.4	36.6	- 3.9	4	1.07	?	10	14
	Hereford	51	29	44.1	33.0	38.4	- 2.9	5	0.71	+ 0.25	*	*
	Cirencester	46	26	42.4	30.9	36.5	- 4.1	3	1.04	+ 0.48	14	19
	Oxford	48	28	44.1	31.7	37.8	- 3.4	2	0.53	+ 0.13	20	27
5. ENGLAND, S.	London†	46	27	43.4	30.9	37.0	- 4.7	1	0.16	- 0.20	11	15
	Marlborough	46	27	42.6	30.9	36.6	- 4.2	3	1.17	+ 0.62	13	17
	Strathfield Turgiss	50	25	44.4	29.5	36.8	- 5.0	2	0.65	+ 0.24	*	*
	Dover	46	31	43.4	34.4	38.8	- 3.6	3	0.12	- 0.33	*	*
	Hastings (St. Leonard's)	48	32	44.8	34.9	39.8	- 2.6	1	0.61	+ 0.16	26	35
	Southampton	48	29	45.8	32.8	39.1	- 3.0	3	1.40	+ 0.85	13	17
	Hurst Castle	48	32	45.7	35.7	40.6	- 2.2	5	1.24	+ 0.71	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	44	30	40.9	33.7	37.2	- 2.9	4	1.96	?	*	*
	Glasgow	42	30	39.7	32.2	35.9	- 4.0	3	0.48	- 0.28	1	1
	Ardrossan	44	30	41.0	31.6	36.2	- 3.7	3	0.65	- 0.05	*	*
	Silloth (Cumberland)	44	29	42.0	31.7	36.8	- 4.6	3	0.31	- 0.26	11	15
	Douglas (Isle of Man)	44	31	41.7	35.9	38.7	- 3.2	4	0.88	+ 0.08	15	20
7. ENGLAND, N.W.	Newton Reigny (Penrith)	43	27	39.4	30.7	35.0	- 6.1	2	0.23	?	10	14
	Barrow-in-Furness	47	32	42.7	33.4	38.0	- 3.8	2	0.33	?	*	*
	Stonyhurst	44	28	41.2	31.5	36.3	- 3.6	1	0.27	- 0.57	13	18
	Blackpool	45	27	42.0	30.5	36.1	- 5.6	2	0.55	+ 0.04	16	22
	Manchester	45	26	41.1	38.7	39.8	- 2.1	2	0.06	- 0.49	*	*
	Liverpool Obs. (Bidston)	45	30	41.6	33.1	37.3	- 4.1	4	0.37	- 0.03	*	*
	Llandudno	49	32	43.1	35.1	39.0	- 4.1	6	0.50	- 0.04	*	*
	Holyhead	49	37	43.9	39.4	41.6	- 2.5	7	1.78	+ 1.17	8	11
8. ENGLAND, S.W.	Pembroke	48	31	42.7	34.6	38.6	- 3.3	6	1.91	?	*	*
	Arlington (N. Devon)	51	31	44.4	35.0	39.6	- 2.8	5	1.81	?	8	11
	Cullompton	53	42	47.3	43.2	45.2	+ 1.1	5	2.41	+ 1.50	4	5
	Plymouth	52	36	46.6	38.6	42.5	- 1.4	6	2.07	+ 1.37	10	13
	Prawle Point	49	36	44.9	38.3	41.5	- 2.0	5	1.33	?	*	*
9. IRELAND, N.	Londonderry	50	30	46.4	36.1	41.2	+ 0.3	6	1.02	+ 0.37	*	*
	Mullaghmore	51	34	47.3	39.3	43.2	+ 1.8	5	1.04	?	*	*
	Markree Castle	50	32	46.4	37.0	41.6	+ 0.9	7	0.51	?	5	7
	Brookeborough	48	27	44.1	34.9	39.4	- 0.5	5	1.09	?	*	*
	Armagh	47	31	43.0	36.0	39.4	- 2.3	6	0.97	+ 0.44	5	7
	Donaghadee	48	30	43.1	35.9	39.4	- 2.5	5	1.02	+ 0.51	*	*
10. IRELAND, S.	Dublin	50	36	45.0	39.0	41.9	- 0.5	7	0.70	+ 0.22	3	4
	Parsonstown	51	34	47.9	38.9	43.3	+ 1.5	4	0.68	+ 0.13	6	8
	Kilkenny (The Castle)	50	34	47.1	40.1	43.5	+ 0.8	6	1.19	?	*	*
	Waterford	52	33	46.7	40.0	43.3	- 0.6	6	2.30	+ 1.57	*	*
	Roche's Point	53	40	50.3	43.4	46.8	+ 2.6	6	1.14	+ 1.18	*	*
	Valencia	54	42	52.4	44.3	48.3	+ 3.1	7	2.47	+ 1.47	14	19
CHANNEL ISLANDS	Foynes	52	41	50.4	43.5	46.9	+ 4.5	6	1.16	?	*	*
	Scilly (St. Mary's)	52	42	50.0	44.6	47.2	+ 1.3	6	1.91	+ 1.31	*	*
	Jersey (Noirmont)	48	35	45.1	38.3	41.7	- 1.1	3	0.82	+ 0.24	19	25

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—Owing to the interruption in telegraphic communication the values for Sumburgh Head cannot yet be computed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 10.]
New Series.

WEEK ENDING MONDAY, 10TH MARCH, 1884.

[Price 4d.
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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 40.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH *	49	31	44.1	34.9	39.4	0 (average).	Day deg. 6	Day deg. 72	Day deg. 26	Day deg. 260
	1. SCOTLAND, EAST -	55	32	45.5	35.9	40.6	1 above.	10	112	23	246
	2. ENGLAND, N.E. -	53	28	46.5	36.1	41.1	1 above.	13	125	22	184
	3. ENGLAND, EAST -	52	29	48.8	35.4	41.9	1 above.	19	176	26	188
	4. MIDLAND COUNTIES -	55	28	49.2	34.9	41.7	1 above.	20	183	27	184
	5. ENGLAND, SOUTH -	55	30	50.1	37.0	43.4	1 above.	31	225	14	99
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	52	31	45.7	37.6	41.5	1 above.	10	131	17	156
	7. ENGLAND, N.W. -	53	32	46.5	36.5	41.4	0 (average).	13	144	22	150
	8. ENGLAND, S.W. -	53	30	48.8	38.4	43.5	0 (average).	26	238	10	55
	9. IRELAND, NORTH -	52	29	45.9	34.8	40.2	1 below.	11	170	27	162
	10. IRELAND, SOUTH † -	54	27	47.7	36.5	41.9	2 below.	15	271	22	72
	— CHANNEL ISLANDS	54	38	49.9	41.8	45.8	1 above.	24	296	1	3

DISTRICTS. (See p. 40.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH *	6	10ths of In. 13	10ths of In. 6 more.	55	Ins. 10.3	23	111	30	17
	1. SCOTLAND, EAST -	5	11	7 more.	42	5.6	8	130	11	22
	2. ENGLAND, N.E. -	4	14	10 more.	38	6.1	21	88	27	13
	3. ENGLAND, EAST -	4	7	3 more.	37	3.8	18	125	23	19
	4. MIDLAND COUNTIES -	4	9	5 more.	42	6.3	22	111	28	17
	5. ENGLAND, SOUTH -	4	9	4 more.	42	6.6	25	124	32	18
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	6	13	3 more.	56	15.2	24	96	31	15
	7. ENGLAND, N.W. -	6	16	11 more.	49	10.6	19	81	24	12
	8. ENGLAND, S.W. -	6	10	3 more.	53	10.8	28	95	36	14
	9. IRELAND, NORTH -	6	9	4 more.	57	10.4	18	96	23	15
	10. IRELAND, SOUTH † -	5	17	10 more.	53	13.1	16	112	20	15
	— CHANNEL ISLANDS	4	9	3 more.	48	8.2	40	180	51	26

General Remarks.

Weather has been very unsettled and changeable generally, with a good deal of rain, sleet, or hail. Over the greater part of England and in some parts of Scotland, however, the first few days of the period were fine and bright.

Temperature has been 1° or 2° below the mean in Ireland, but 1° above or about equal to its normal value elsewhere. The maxima were registered in most places on the 6th, and ranged from 49° in "Scotland, N." to 55° in "Scotland, E.", the "Midland Counties", and "England, S." The minima, which were recorded on different days in the various districts, ranged from 27° in "Ireland, S." and 28° in "England, N.E." and the "Midland Counties", to 32° in "Scotland, E." and "England, N.W."

Rainfall has been more than the mean in all districts, the excess over the north of England and south of Ireland being large. At Valencia the total fall has amounted to as much as 4.84 ins.

Bright sunshine shows an increase in duration in most places. The percentage of possible duration was greatest, 51, in the "Channel Islands" and least, 11, in "Scotland, E.", while in "Scotland, N." 30%, in "Scotland, W." 31%, in "England, S." 32%, and in "England, S.W." 36% were recorded.

Depressions observed.—During the whole of this period barometric pressure has been influenced by some large depressions (apparently moving north-eastwards) outside our western coasts, and several subsidiary disturbances passing over our Islands. The wind, with the exception of a temporary shift to the Northward at some of our western stations on the 4th and 8th, has consequently been between S. and W. On our western and northern coasts it has blown freshly or strongly, and during the latter part of the week the force of a fresh gale (from the Southward) was reached in Ireland, and a very strong gale in the north-east and east of Scotland.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values "Since Jan. 1st" for this district have been altered a little in consequence of the receipt of some arrears of observations.

ERRATUM.—In the Report ending 3rd March, the difference from the mean in the Rainfall for the "Channel Islands" should be 8 more.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.		
		Tuesday, March 4. <i>Weather</i> fine in the Netherlands and S. of France, but cloudy or overcast elsewhere, with rain at all the English stations. Some improvement taking place later in the S.W. and S. <i>Temperature</i> fallen several degrees in the W., but risen at our south-eastern and the French stations; readings ranging from 48° at Prawle Point to 33° at Nairn. <i>Wind</i> Northerly on our south-west coasts and Variable in the north, but Southerly or South-Easterly elsewhere; strong to a gale on the eastern shores of the North Sea, as well as in the western part of the Channel. Northerly breezes setting in later at all western stations. <i>Sea</i> rough on our S.W. and S.E. coasts, moderate to smooth elsewhere. <i>Barometer</i> falling on all but our western and north-western coasts. Pressure highest over the Gulf of Bothnia, and relatively high in the S.E. of France, with small and rather deep depression near Scilly. Depression subsequently moving in a north-north-easterly direction, and barometer rising quickly in S.W.	
		Wednesday, March 5. <i>Weather</i> dull in Scandinavia, the W. of Ireland, and E. of France, but generally fine elsewhere. <i>Temperature</i> fallen at our eastern and southern stations; readings ranging from 47° at Scilly to 34° at Stornoway. <i>Wind</i> strong to a gale from South-East on the eastern shores of the North Sea, but moderate from West in our Islands, and fresh from North over the Bay of Biscay. Subsequently backing to South-West on our extreme western coasts. <i>Sea</i> rather rough at Holyhead and Scilly, but slight elsewhere. <i>Barometer</i> falling in Scandinavia and Denmark, but rising in our Islands and France. Depression of previous day now lying between the Scotch and Norwegian coasts, and continuing to travel north-north-eastwards. No important change later.	
		Thursday, March 6. <i>Weather</i> dull in Scandinavia as well as on our W. and N.W. coasts, with rain at Mullaghmore and Valencia; generally fine elsewhere. Cloudy weather extending later to most parts of our Islands, and rain falling in W. and N. <i>Temperature</i> fallen a little in France and the S.E. of England, but risen elsewhere; readings ranging from 49° at Valencia to 33° at Oxford. <i>Wind</i> Westerly on our east and south coasts, and Easterly in the south of France, but South-Westerly or Southerly in the west and north; strong to a gale in the west of Ireland. <i>Sea</i> rough in the extreme W. and N.W.: moderate to smooth elsewhere. <i>Barometer</i> rising at all but the Swedish and our eastern stations. Areas of high pressure found over the Baltic and N. of France, and lowest readings off our western coasts. Fall taking place later in all parts of the United Kingdom and France.	
		Friday, March 7. <i>Weather</i> fine in France, the S.E. of England, and S. of Ireland, but cloudy elsewhere, with showers at Stornoway and rain at Mullaghmore. Rain falling later at most of our western and northern stations. <i>Temperature</i> changed rather irregularly; readings ranging from 49° at Scilly to 36° in London. <i>Wind</i> Easterly in Scandinavia, Denmark, and the south of France, and Westerly in Ireland, but Southerly over Great Britain. Fresh or strong in force at several of our western and northern stations. <i>Sea</i> rough on some parts of our W. coasts; slight or smooth elsewhere. <i>Barometer</i> falling at all but a few of the Scandinavian stations. Pressure highest in Sweden, with large depression lying off the W. of Scotland and subsidiary disturbance over the S.E. of Ireland. Main disturbance subsequently moving northwards, but secondary advancing slowly in an easterly direction.	

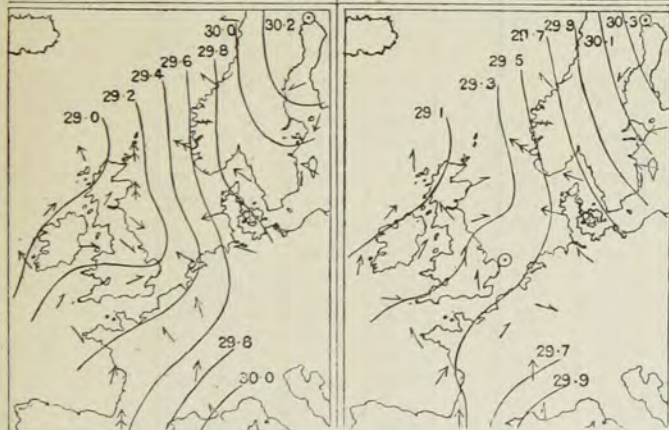
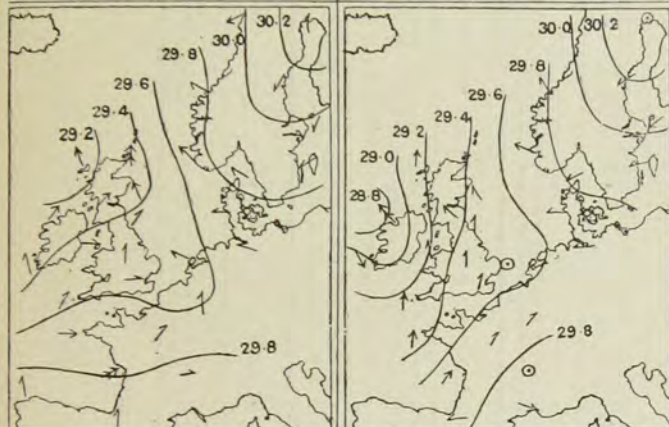
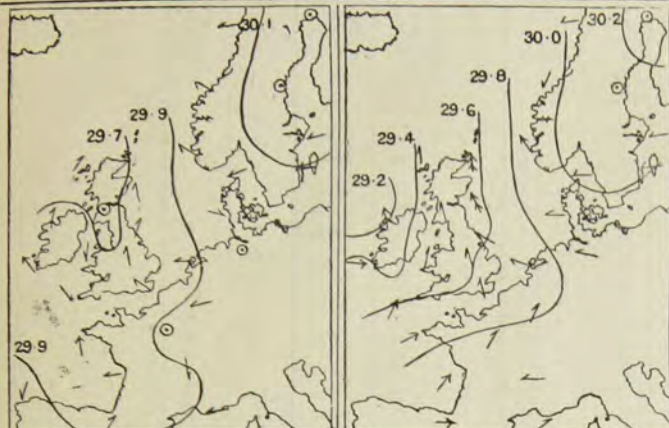
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, March 8.

Weather fine in Scandinavia, France, and Ireland, but cloudy or overcast elsewhere with rain over Scotland and the N. of England. Rain falling subsequently in all parts of the kingdom.

Temperature fallen W. and N.; readings ranging from 45° at Scilly and Hurst Castle to 30° at Parsonstown.

Wind Northerly in Wales and the south-west of England, but South-Easterly or Southerly elsewhere; light or moderate in force generally. Fresh Southerly gales experienced later on many parts of our western and northern coasts.

Sea rather rough in the S.W., moderate to smooth elsewhere.

Barometer falling generally. Pressure still highest in Sweden and lowest off our N.W. coasts, but several shallow depressions found over various parts of our Islands. Large and rather deep disturbance passing along our western coasts during latter part of day.

Sunday, March 9.

Weather fair at several of our western and southern stations, but cloudy and showery elsewhere. Rain and sleet falling in W. and N. later.

Temperature fallen generally; readings ranging from 46° at Scilly to 34° at Parsonstown.

Wind Easterly in Scandinavia and Denmark, but South-Westerly or Southerly elsewhere. Strong to a gale in force in the east of Scotland, but moderate or fresh on our other coasts.

Sea high off the E. of Scotland, and rough on several parts of our western coasts.

Barometer falling generally. Pressure still highest Sweden, but relatively high in S. of France. Large and rather deep depression moving northwards along our western coasts.

Monday, March 10.

Weather fine at some of our western stations, but cloudy or overcast elsewhere, with snow in the N. of England, and rain in many other localities. Sleet subsequently falling in Ireland, but sky clearing at our south-eastern stations.

Temperature risen a little in France and the S.E. of England, but fallen elsewhere; readings ranging from 46° at Dover to 30° at Parsonstown. Weather very cold in Ireland all day; 2 p.m. reading at Valencia being only 34° or 15 lower than in London.

Wind strong Easterly on eastern shores of North Sea, but fresh South-Westerly or Southerly in most other parts. Strong Southerly gale reported in the east of Scotland in morning, but wind afterwards subsiding.

Sea high off the E. of Scotland, and rough on our eastern and western coasts.

Barometer rising Sweden, falling elsewhere. Distribution of pressure same as on previous day, highest readings being reported from Scandinavia and lowest from our western coasts. Several shallow depressions appearing over our Islands in course of day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 37 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
									Inches.	Inches.		
0. SCOTLAND, N.	Sumburgh Head	°	°	°	°	°	°					
	Stornoway	48	31	44.4	33.9	39.0	- 0.9	6	1.07	+0.17	23	30
	Wick	49	32	43.7	35.9	39.7	+ 0.8	6	1.47	+1.06		
1. SCOTLAND, E.	Nairn	54	32	46.0	36.0	40.9	+ 1.2	4	0.46	+0.09		
	Aberdeen	50	33	44.3	35.7	39.9	+ 1.0	5	1.99	+1.48	8	11
	Leith	55	33	46.3	36.1	41.1	+ 0.4	5	0.82	+0.50		
2. ENGLAND, N.E.	Alnwick Castle	50	28	44.3	35.0	39.5	+ 0.1	4	2.10	?		
	Shields	53	34	46.6	37.0	41.7	+ 1.6	4	1.73	+1.38		
	Durham	52	32	46.9	34.1	40.3	+ 0.7	3	1.99	+1.53	24	31
	Scarborough	51	36	46.3	37.8	42.0	+ 2.3	5	1.22	+0.82		
	York	51	33	49.6	35.7	42.4	+ 2.2	4	1.14	+0.76	17	22
3. ENGLAND, E.	Spurn Head	47	35	45.1	37.0	40.9	+ 1.0	3	0.27	?		
	Hillington	51	30	49.0	34.7	41.6	+ 1.4	4	0.63	+0.26	15	19
	Yarmouth	49	32	46.0	36.1	40.9	0.0	5	0.62	+0.17		
	Goldstone	51	32	49.0	37.5	43.1	+ 2.4	4	0.72	+0.34	16	21
	Cambridge	52	32	50.7	34.1	42.2	+ 1.4	4	0.48	+0.15	22	28
4. MIDLAND COUNTIES	Rothamsted	51	29	49.5	34.7	41.9	+ 1.0	5	0.88	+0.47		
	Bawtry (Hesley Hall)	54	33	49.4	35.4	42.2	+ 1.3	3	0.52	+0.12		
	Loughborough	53	34	49.6	35.7	42.4	+ 1.6	5	0.92	+0.54		
	Leicester	55	34	50.6	36.7	43.4	+ 3.0	4	0.69	+0.31	18	23
	Birmingham (Oscott)	54	33	48.8	34.2	41.3	+ 0.8	4	0.91	+0.43		
	Cheadle	52	32	46.5	33.8	40.0	+ 0.2	4	1.18	?		
	Churchstoke	52	33	48.6	33.7	40.9	+ 0.3	4	1.11	?	23	29
	Hereford	55	31	51.5	35.6	43.3	+ 2.0	6	0.89	+0.46		
	Cirencester	50	28	47.7	33.7	40.5	- 0.3	4	0.62	+0.11	23	29
	Oxford	54	33	50.0	35.7	42.6	+ 1.0	4	0.75	+0.37	24	31
5. ENGLAND, S.	London†	53	32	51.4	35.9	43.4	+ 1.6	4	0.88	+0.54	22	28
	Marlborough	51	30	48.8	35.0	41.7	+ 0.8	4	0.87	+0.35	21	27
	Strathfield Turgiss	52	30	50.9	34.6	42.5	+ 0.7	4	0.91	+0.52		
	Dover	51	34	48.7	38.6	43.5	+ 0.9	4	0.62	+0.20		
	Hastings (St. Leonard's)	52	37	49.6	39.7	44.5	+ 2.0	4	1.01	+0.57	32	41
	Southampton	55	31	51.6	37.1	44.1	+ 1.7	4	0.91	+0.41	24	31
	Hurst Castle	52	32	49.9	38.4	44.0	+ 1.1	4	0.90	+0.42		
6. SCOTLAND, W.	Laudale (Loch Sunart)	50	33	45.6	36.8	41.1	+ 0.9	7	2.97	?		
	Glasgow	52	34	45.3	37.2	41.1	+ 0.9	7	0.58	-0.10	23	30
	Ardrossan	50	33	45.3	38.1	41.6	+ 1.4	7	0.34	-0.31		
	Silloth (Cumberland)	52	31	46.3	37.4	41.7	+ 0.1	6	1.31	+0.79	25	32
	Douglas (Isle of Man)	50	34	46.1	38.6	42.2	+ 0.3	5	1.36	+0.63	24	31
7. ENGLAND, N.W.	Newton Reigny (Penrith)	51	32	44.5	34.3	39.3	- 1.1	5	1.78	?	24	31
	Barrow-in-Furness	51	35	45.7	37.3	41.4	- 0.5	5	1.78	?		
	Stonyhurst	50	32	46.3	35.6	40.8	+ 0.7	6	1.60	+0.80	15	19
	Blackpool	51	33	46.4	35.9	41.0	- 0.8	6	1.83	+1.35	18	23
	Manchester	52	32	47.5	34.2	40.7	- 0.4	6	1.21	+0.67		
	Liverpool Obs† (Bidston)	52	33	47.9	36.6	42.1	+ 0.5	5	1.39	+0.99		
	Llandudno	53	33	47.2	40.3	43.7	+ 0.8	5	1.38	+0.90	18	23
8. ENGLAND, S.W.	Holyhead	49	34	46.3	38.1	42.1	- 1.3	6	1.94	+1.44		
	Pembroke	48	38	46.3	41.1	43.6	- 0.8	5	1.72	+1.14	26	33
	Arlington (N. Devon)	50	31	47.9	35.9	41.7	- 0.2	5	1.15	?		
	Cullompton	53	30	49.9	35.3	42.4	- 0.2	5	1.13	?	27	35
	Falmouth	50	38	49.0	41.1	44.9	+ 0.3	6	0.86	+0.01	30	38
	Plymouth	52	33	50.5	37.8	44.0	0.0	6	0.68	+0.05	30	38
	Prawle Point	50	36	49.4	39.3	44.3	+ 0.6	6	0.54	?		
9. IRELAND, N.	Londonderry	51	32	47.7	35.7	41.5	+ 0.6	6	0.64	+0.03		
	Mullaghmore	51	39	45.3	35.3	40.2	- 1.5	6	1.81	?		
	Markree Castle	52	29	44.7	34.0	39.2	- 2.1	7	0.69	?	21	27
	Brookeborough	49	30	45.3	33.6	39.3	- 0.8	3	0.80	?		
	Armagh	49	31	45.9	35.5	40.5	- 1.4	7	0.77	+0.27	14	18
	Donaghadee	50	31	46.7	31.9	40.6	- 1.7	6	0.80	+0.33		
10. IRELAND, S.	Dublin	52	33	47.6	38.0	42.7	+ 0.2	5	0.83	+0.39	17	22
	Parsonstown	50	28	46.3	34.1	40.0	- 2.0	3	0.97	+0.42	11	14
	Kilkenny (The Castle)	50	27	46.4	33.0	39.5	- 3.2	5	1.17	?		
	Waterford	51	29	47.4	36.3	41.7	- 2.2	5	1.50	+0.80		
	Roche's Point	51	33	49.3	38.1	43.5	- 1.1	5	1.67	+0.76		
	Valencia	54	32	49.0	39.3	44.0	- 1.3	7	4.84	+3.91	19	24
	Foynes	53	29	48.1	36.4	42.1	- 0.6	6	1.21	?		
CHANNEL ISLANDS	Seilly (St. Mary's)	54	38	50.1	42.3	46.1	0.0	5	0.65	+0.06		
	Jersey (Noirmont)	52	40	49.7	41.3	45.4	+ 2.5	3	1.08	+0.50	40	51

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—Owing to the interruption in telegraphic communication the values for Sumburgh Head cannot yet be computed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 11.]
New Series.

WEEK ENDING MONDAY, 17TH MARCH, 1884.

[Price 4d.
[Annual subscription,
post paid, £1 1s. 2d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE
IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 44.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH†	55	29	49.7	39.2	44.3	5 above.	Day deg. 28	Day deg. 98	Day deg. 8	Day deg. 267
	1. SCOTLAND, EAST -	68	30	53.5	39.5	46.3	6 above.	41	153	7	253
	2. ENGLAND, N.E. -	68	29	54.1	39.9	46.8	7 above.	42	167	6	190
	3. ENGLAND, EAST -	70	30	56.2	38.9	47.3	6 above.	50	226	9	197
	4. MIDLAND COUNTIES	70	29	58.0	39.2	48.4	7 above.	57	240	8	192
	5. ENGLAND, SOUTH -	68	30	55.6	41.9	48.5	6 above.	44	269	0	99
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	67	28	51.6	42.2	46.8	5 above.	34	165	0	156
	7. ENGLAND, N.W.* -	67	28	54.8	40.6	47.5	6 above.	44	188	4	154
	8. ENGLAND, S.W. -	62	28	53.5	42.9	48.0	4 above.	42	280	0	55
	9. IRELAND, NORTH -	65	28	52.7	41.5	47.0	5 above.	37	207	1	163
	10. IRELAND, SOUTH * -	61	29	53.1	43.5	48.2	5 above.	43	314	0	72
	— CHANNEL ISLANDS	61	37	54.8	45.1	49.8	5 above.	56	352	0	3

DISTRICTS. (See p. 44.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH†	3	10ths of In. 5	10ths of In. 1 less.	59	Ins. 10.9	14	125	18	17
	1. SCOTLAND, EAST -	3	1	3 less.	45	5.7	17	147	21	22
	2. ENGLAND, N.E. -	2	1	3 less.	40	6.2	24	112	30	15
	3. ENGLAND, EAST -	1	less than ½	3 less.	38	3.8	31	156	38	21
	4. MIDLAND COUNTIES	2	1	3 less.	44	6.4	27	133	34	18
	5. ENGLAND, SOUTH -	1	less than ½	4 less.	43	6.6	30	154	37	20
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	5	8	2 less.	61	16.0	12	108	14	15
	7. ENGLAND, N.W.* -	3	4	1 less.	52	11.0	16	97	19	13
	8. ENGLAND, S.W. -	3	3	3 less.	56	11.1	28	123	34	15
	9. IRELAND, NORTH -	5	6	1 more.	62	11.0	15	111	19	15
	10. IRELAND, SOUTH * -	6	14	7 more.	59	14.5	18	130	22	16
	— CHANNEL ISLANDS	4	3	3 less.	52	8.5	47	227	58	20

General Remarks.

Weather has been unsettled and rather rainy in Ireland and on the extreme western coasts of Great Britain, but dry and exceedingly fine in most parts of England and Scotland.

Temperature was about equal to the mean during the first two days of the period, but subsequently rose rapidly and became unusually high for the season in almost all parts of the Kingdom, the excess for the whole week being 7° in the "Midland Counties", and "England, N.E.", and 5° or 6° in nearly all other districts. The maxima, which were recorded on the 16th, were as high as 70° in "England, E." and the "Midland Counties", 68° in "Scotland, E.", "England, N.E.", and "England, S.W.", and 67° in "England, N.W." and "Scotland, W."; in "Scotland, N.", however, the highest reading was only 55°. The minima were registered on the 11th, and varied between 28° and 30° generally, while in the "Channel Islands" 37° was the lowest temperature.

Rainfall has been more than the mean in Ireland, but less in all parts of Great Britain.

Bright sunshine shows a further increase in duration in most places, the percentages ranging from 58 in the "Channel Islands" to 38 in "England, E.", 37 in "England, S.W.", and 14 in "Scotland, W."

Depressions observed.—During the whole of this period the barometer has been comparatively high and steady in all the eastern and south-eastern parts of our area, while depressions have been moving in a northerly direction outside our western coasts. The only depression noticed over our Islands has been a small subsidiary disturbance which travelled north-eastwards over our south-eastern counties and the North Sea as the week commenced. Southerly winds have prevailed on all our coasts, and, though light or moderate in the south-east and east, have blown strongly in the west and north-west, and at times risen to a moderate or fresh gale.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values "Since Jan. 1st" for this district have been altered a little in consequence of the receipt of some arrears of observations.

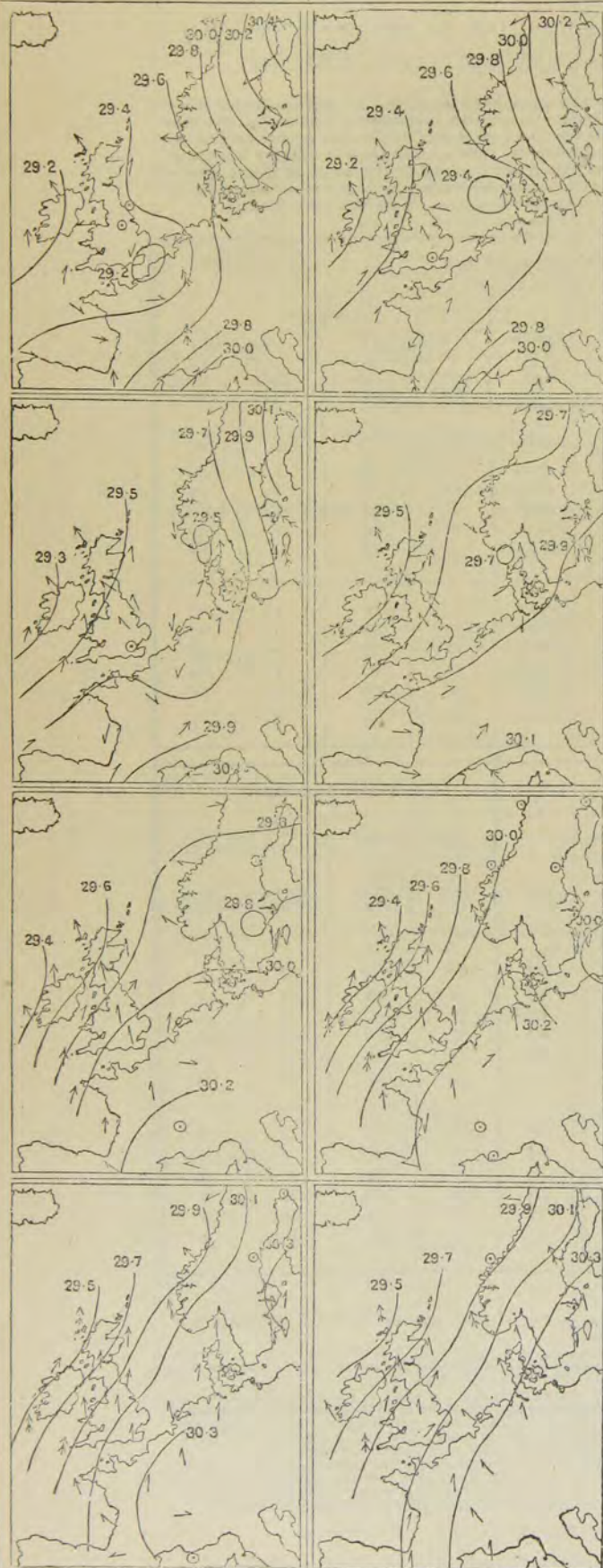
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, March 11.

Weather fine in the west and north of our Islands, but dull elsewhere, with rain in the south-east of England. Dull showery weather setting in on our western coasts later, and lightning seen at Mullaghmore.

Temperature risen in Ireland and the east of France, but fallen over Great Britain; readings ranging from 44° at Roche's Point to 31° at Nairn. Maxima low in the south-east; thermometer at Yarmouth not exceeding 40°.

Wind varying between North-West and South-West in France and North-Easterly over the south-east of England, but Southerly on our western coasts; fresh or strong in force at all but our north-eastern and south-western stations. Subsequently backing to West on our south-east coasts.

Sea rough at most of our exposed stations.

Barometer rising in the north, but falling elsewhere—most in the north-east of France. Readings highest over the Gulf of Bothnia, but relatively high in the south-east of France. Large area of low pressure lying off the west of Ireland, and rather deep subsidiary depression near Dover. Latter subsequently moving north-eastwards, and barometer rising over our Islands.

Wednesday, March 12.

Weather changeable and showery in the west, but fair, although misty or foggy, in the east and south-east. Thunderstorms occurring over the south of Ireland in course of day.

Temperature risen at all but our south-eastern and the French stations; readings ranging from 46° at Valentia, Roche's Point, and Scilly to 34° at Loughborough.

Wind light and variable over the Netherlands and south-east of England, and South-Westerly in France, but South-Easterly or Southerly elsewhere; strong in force on our west coasts, and fresh gale blowing in the south of Sweden.

Sea rather rough at Stornoway, and also on our south-west coasts; moderate or smooth elsewhere.

Barometer rising at all but the Scandinavian and Danish stations. Areas of high pressure still found over the Gulf of Bothnia and south-east of France, and lowest readings at our extreme western stations. Subsidiary depression of previous day now lying near the Skager Rack. No important change later.

Thursday, March 13.

Weather fine in France and the south-east of England as well as on eastern shores of the North Sea, but dull elsewhere, with rain on our west and north-west coasts. Thunderstorm at Valencia at night.

Temperature risen several degrees over our Islands; readings ranging from 51° at Valencia and Scilly to 42° at Wick and Aberdeen.

Wind somewhat Variable over the southern parts of Scandinavia, but Southerly elsewhere, and strong to a gale in force at our western stations. Strong winds extending to our northern coasts later.

Sea rough on most of our western and north-western coasts.

Barometer rising at all but the Swedish stations. Readings highest south-east of France and lowest on our western coasts. Small depression of Tuesday and Wednesday now lying over the south of Sweden. Low pressure area in west subsequently travelling northwards, occasioning fall of barometer in Scotland.

Friday, March 14.

Weather fair at our eastern, southern, and the Continental stations, but dull and rainy in the west. Rain extending to our northern coasts later, and lightning occurring at Mullaghmore.

Temperature risen in most places; readings ranging from 52° at Valencia to 44° at Wick. Highest maxima 60° in London and 59° at Loughborough, Oxford, and Cambridge.

Wind South-Easterly in the south-west of France, but Southerly elsewhere; strong to a gale at many of our western and north-western stations, but moderate in the east and south.

Sea high at Valencia and Scilly; rough in the west generally.

Barometer rising at all but our extreme western stations. Pressure high in the east of France and also over the Baltic, but large area of low readings lying off our west coasts. Low pressure system moving northwards later, and barometer rising again in west.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, March 15.

Weather fair at all but our western and north-western stations, where sky overcast; with rain at Stornoway and Valencia.

Temperature fallen a little in north, but risen in south; readings ranging from 53° in London and 52° at Valencia to 44° at Spurn Head. Thermometer subsequently rising to 66° at Loughborough, 67° in London, and 68° at Cambridge.

Wind South-Easterly or Southerly; moderate at our eastern and southern, but strong at most of our western stations.

Sea rough in the south-west, moderate to smooth elsewhere.

Barometer falling a little at our south-eastern and most of the continental stations, but rising elsewhere. Large high pressure area extending from the Baltic to the south-east of France and lowest readings still reported from our extreme western stations. No important change later.

Sunday, March 16.

Weather dull and misty in the south of Ireland, but fine in almost all other parts of western Europe. Rain falling in south and west of Ireland during latter part of day.

Temperature risen a little in the south, but scarcely changed elsewhere; readings varying from 55° at Valencia and in London to 45° at Aberdeen, Spurn Head, and Yarmouth. Thermometer subsequently rising to 68° at Leith, York, and in London, 69° at Loughborough, and 70° at Cambridge.

Wind still South-Easterly or Southerly, strong in force on our south west coasts, but light or moderate elsewhere.

Sea rough in the south-west.

Barometer falling at our southern and most of the Continental stations, but rising over Scotland and the north of England. Western limit of an extensive high pressure area still extending from the south of Sweden to the south-east of France, with large depression to the south-westward of Ireland. Slight fall taking place generally later.

Monday, March 17.

Weather remaining very fine at all but our western and north-western stations where sky overcast. Sky clearing in the west later.

Temperature risen in Scotland and the north of Ireland, but little changed elsewhere; readings ranging from 54° at Stornoway and Nairn to 45° in the E. of England. Thermometer subsequently rising to 66° in London, 67° at York, and 68° at Loughborough and Cambridge.

Wind South-easterly or Southerly, fresh or strong in force at some western stations, but light or moderate elsewhere. Veering to the south-westward in many places during latter part of day.

Sea rough on our extreme western and south-western coasts.

Barometer rising a little at most of the southern stations, but falling in the north. Readings highest south-east of France, but large low pressure area still lying off our western coasts. Latter subsequently moving northwards, and barometer rising in south-west.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: $\square$ = blue sky; $\square$ = detached clouds; $\square$ = overcast; $\square$ = misty (hazy); $\square$ = foggy; $\square$ = squally; $\square$ = rain; $\square$ = hail; $\square$ = snow; $\square$ = lightning; and $\square$ = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 41 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	°	°	°	°	°	°		Inches.	Inches.	*	*
	Stornoway	54	32	49.7	40.3	44.8	+ 4.7	5	0.93	+0.08	14	18
	Wick	55	29	49.7	38.0	43.7	+ 4.8	1	0.04	-0.36	*	*
1. SCOTLAND, E.	Nairn	65	30	54.9	39.9	47.2	+ 7.3	1	0.01	-0.34	*	*
	Aberdeen	57	31	50.7	39.1	44.7	+ 5.5	5	0.10	-0.38	17	21
	Leith	68	31	54.9	39.4	47.0	+ 6.1	3	0.03	-0.27	*	*
2. ENGLAND, N.E.	Alnwick Castle	59	35	51.6	40.0	45.6	+ 5.9	1	0.02	?	*	*
	Shields	64	33	54.0	40.4	47.0	+ 6.8	1	0.01	-0.33	*	*
	Durham	65	29	55.5	38.2	46.6	+ 6.0	0	—	-0.46	20	25
	Scarborough	65	35	54.6	41.6	47.9	+ 8.0	3	0.05	-0.35	*	*
	York	68	33	58.3	39.1	48.4	+ 7.8	3	0.11	-0.25	28	35
	Spurn Head	57	36	50.3	40.3	45.0	+ 4.7	3	0.12	?	*	*
3. ENGLAND, E.	Hillington	69	30	58.5	39.5	48.7	+ 8.4	1	0.01	-0.31	30	37
	Yarmouth	52	35	47.9	39.7	43.6	+ 2.6	3	0.06	-0.36	*	*
	Geldeston	67	32	57.3	38.9	47.8	+ 6.7	3	0.05	-0.32	36	44
	Cambridge	70	32	59.7	37.9	48.5	+ 7.3	0	—	-0.31	27	33
	Rothamsted	66	34	57.5	38.6	47.9	+ 6.8	0	—	-0.38	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	70	30	59.9	37.9	48.6	+ 7.5	1	0.01	-0.37	*	*
	Loughborough	69	32	60.0	38.6	49.0	+ 8.2	1	0.02	-0.33	*	*
	Leicester	69	34	59.9	41.1	50.2	+ 9.6	3	0.08	-0.27	24	30
	Birmingham (Oscott)	67	32	57.8	39.4	48.3	+ 7.7	2	0.04	-0.42	*	*
	Cheadle	66	33	56.6	39.7	47.9	+ 8.1	2	0.12	?	*	*
	Churchstoke	65	29	55.9	38.8	47.1	+ 6.4	3	0.14	?	27	33
	Hereford	66	30	57.5	39.9	48.4	+ 6.7	3	0.20	-0.20	*	*
	Cirencester	65	29	56.0	37.1	46.3	+ 4.8	3	0.08	-0.41	26	32
5. ENGLAND, S.	Oxford	67	35	58.1	40.6	49.1	+ 7.3	1	0.01	-0.35	31	40
	London†	68	37	59.1	41.1	49.8	+ 7.5	1	0.02	-0.30	24	30
	Marlborough	64	30	55.9	39.2	47.3	+ 6.0	1	0.04	-0.45	24	30
	Strathfield Turgiss	67	33	58.7	38.6	48.3	+ 6.0	0	—	-0.34	*	*
	Dover	57	40	52.1	43.1	47.5	+ 4.6	2	0.08	-0.33	*	*
	Hastings (St. Leonard's)	60	40	53.2	45.2	49.1	+ 6.4	2	0.04	-0.37	37	46
	Southampton	62	34	56.6	42.9	49.5	+ 6.6	0	—	-0.45	33	41
6. SCOTLAND, W.	Hurst Castle	59	36	53.6	45.0	48.1	+ 4.7	0	—	-0.41	*	*
	Laudale (Loch Sunart)	61	33	50.8	44.0	47.3	+ 6.9	6	1.94	?	*	*
	Glasgow	62	31	51.8	42.6	47.1	+ 5.6	5	0.38	-0.22	9	11
	Ardrossan	63	31	49.6	40.6	45.0	+ 4.2	6	0.28	-0.32	*	*
	Silloth (Cumberland)	67	30	55.6	41.2	48.2	+ 6.3	4	0.85	-0.10	18	16
	Douglas (Isle of Man)	56	28	50.2	42.4	46.2	+ 4.1	4	0.34	-0.32	13	16
7. ENGLAND, N.W.	Newton Reigny (Penrith)	67	29	55.5	40.9	48.0	+ 8.1	4	0.58	?	13	16
	Barrow-in-Furness	59	33	52.1	40.3	46.0	+ 3.8	4	0.77	?	*	*
	Stonyhurst	65	31	54.9	41.6	48.1	+ 7.3	3	0.22	-0.53	22	27
	Blackpool	64	28	54.6	39.8	47.0	+ 4.6	3	0.26	-0.19	12	15
	Manchester	67	32	56.4	41.0	48.5	+ 7.2	3	0.21	-0.32	*	*
	Liverpool Obs (Bidston)	65	32	56.1	40.3	48.0	+ 6.0	3	0.11	-0.38	*	*
8. ENGLAND, S.W.	Llandudno	64	29	53.9	40.3	46.9	+ 3.2	5	0.61	+0.14	*	*
	Holyhead	64	29	53.9	40.3	46.9	+ 3.2	5	0.61	+0.14	*	*
	Pembroke	56	33	50.6	42.9	46.6	+ 1.1	5	0.74	+0.18	26	32
	Arlington (N. Devon)	62	33	54.6	41.7	48.0	+ 6.0	3	0.43	?	*	*
	Cullompton	59	28	55.2	39.1	46.9	+ 4.1	3	0.15	?	27	33
	Falmouth	57	36	52.7	46.1	49.3	+ 4.5	4	0.34	-0.46	24	30
9. IRELAND, N.	Plymouth	60	36	55.3	44.2	49.6	+ 5.2	3	0.18	-0.32	33	41
	Prawle Point	56	36	52.6	45.4	47.8	+ 3.9	1	0.02	?	*	*
	Londonderry	65	30	54.8	42.7	48.6	+ 7.3	5	0.52	-0.08	*	*
	Mullaghmore	62	34	53.9	41.6	47.6	+ 5.3	6	0.52	?	*	*
	Markree Castle	63	29	53.4	41.1	47.1	+ 5.3	5	0.85	?	16	20
	Brookeborough	62	28	52.5	40.0	46.1	+ 5.7	5	0.78	?	*	*
10. IRELAND, S.	Armagh	59	29	52.4	42.5	47.3	+ 5.4	5	0.33	-0.13	14	17
	Donaghadee	54	29	49.3	41.0	45.0	+ 2.1	6	0.47	+0.06	*	*
	Dublin	61	31	55.6	44.6	49.9	+ 7.0	4	0.27	-0.13	19	23
	Parsonstown	59	29	53.1	42.0	47.4	+ 5.1	6	0.69	+0.14	15	19
	Kilkenny (The Castle)	57	35	52.6	44.6	48.5	+ 6.5	6	1.06	?	*	*
	Waterford	54	29	51.2	42.7	46.8	+ 2.8	6	1.04	+0.34	*	*
CHANNEE ISLANDS	Roche's Point	55	34	52.1	43.6	47.7	+ 3.3	6	1.86	+0.97	*	*
	Valencia	57	31	53.9	43.7	48.6	+ 3.1	7	3.59	+2.71	19	23
	Foynes	57	31	53.9	43.7	48.6	+ 3.1	7	3.59	+2.71	19	23
CHANNEE ISLANDS	Scilly (St. Mary's)	57	37	53.7	45.4	49.4	+ 3.0	5	0.54	-0.02	*	*
	Jersey (Noirmont)	61	39	55.9	44.7	50.1	+ 6.7	2	0.02	-0.53	47	58

Stations marked *fi* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—Owing to the interruption in telegraphic communication the values for Sumburgh Head cannot yet be computed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 12.]
New Series.

WEEK ENDING MONDAY, 24TH MARCH, 1884.

[Price 4d.
[Annual subscription,
post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a “Day degree” signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 48.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH†	51	32	47.1	37.0	41.9	2 above.	Day deg. 14	Day deg. 110	Day deg. 20	Day deg. 288
	1. SCOTLAND, EAST -	56	31	50.2	36.8	43.2	3 above.	30	183	15	268
	2. ENGLAND, N.E.* -	60	31	51.2	38.0	44.5	3 above.	34	201	11	201
	3. ENGLAND, EAST -	64	30	53.6	38.2	45.6	4 above.	41	267	11	208
	4. MIDLAND COUNTIES	63	27	53.2	37.5	45.1	4 above.	41	281	13	205
	5. ENGLAND, SOUTH -	66	30	53.3	39.4	46.1	3 above.	40	309	7	106
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	60	32	49.0	38.7	43.6	2 above.	25	190	9	165
	7. ENGLAND, N.W. -	56	29	50.2	38.9	44.4	2 above.	30	219	9	161
	8. ENGLAND, S.W. -	60	30	51.9	40.8	46.2	2 above.	34	314	3	53
	9. IRELAND, NORTH -	55	31	50.3	38.3	44.1	1 above.	30	237	10	173
	10. IRELAND, SOUTH -	60	31	52.7	39.0	45.7	1 above.	39	353	8	80
	— CHANNEL ISLANDS	57	41	52.1	43.8	47.5	2 above.	41	393	0	3
DISTRICTS. (See p. 48.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH†	4	10ths of In. 8	10ths of In. 2 more.	63	In. 11.7	20	145	24	13	
	1. SCOTLAND, EAST -	5	3	1 less.	50	6.0	37	184	44	24	
	2. ENGLAND, N.E.* -	2	1	3 less.	42	6.3	30	142	35	17	
	3. ENGLAND, EAST -	2	1	3 less.	40	3.9	40	196	48	23	
	4. MIDLAND COUNTIES	2	1	3 less.	46	6.5	34	172	40	20	
	5. ENGLAND, SOUTH -	3	1	3 less.	46	6.7	34	188	40	13	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	5	7	1 less.	66	16.7	25	133	29	16	
	7. ENGLAND, N.W. -	4	2	2 less.	56	11.2	27	127	32	15	
	8. ENGLAND, S.W. -	3	2	4 less.	59	11.3	39	162	46	13	
	9. IRELAND, NORTH -	5	5	0 (average).	67	11.5	22	133	26	16	
	10. IRELAND, SOUTH -	5	3	4 less.	64	14.8	29	159	34	13	
	— CHANNEL ISLANDS	4	2	4 less.	56	8.7	51	278	60	32	

General Remarks.

Weather has been rather unsettled and showery in the extreme west and north, with hail or sleet on the 20th and 21st, but in all other parts of the Kingdom it has been generally fine and dry.

Temperature has varied from 4° above the mean in “England, E.” and the “Midland Counties”, to 1° above it in Ireland. At the commencement of the period readings were uniformly high, but gradually fell, till at its close they were rather low for the season. The maxima, which were registered in most places on the 18th, ranged from 66° in “England, S.”, 64° in “England, E.”, and 63° in the “Midland Counties”, to 55° in “Ireland, N.” and 51° in “Scotland, N.” The minima were generally recorded on the 23rd or 24th, and varied from 27° in the “Midland Counties” to 32° in the north and west of Scotland, while in the “Channel Islands” the lowest reading was 41°.

Rainfall has been a little more than the mean in “Scotland, N.” and about equal to it in “Ireland, N.”, but less in all other districts. Over England the fall has been very slight.

Bright sunshine has been more prevalent than for many weeks past, the percentages of possible duration ranging from 24 in “Scotland, N.” and 25 in “Ireland, N.” to 43 in “England, E.” and 60 in the “Channel Islands”.

Depressions observed.—Pressure has been generally highest over France and lowest to the north-westward and northward of our Islands and over Scandinavia. The only depression of importance which came within our immediate neighbourhood was one which made its appearance off our north-west coasts on the 19th, and, travelling slowly in a north-easterly and east-north-easterly direction, dispersed over Scandinavia towards the end of the period. The wind during the early part of the week was between S. and S.W., but subsequently veered to W. and N.W. The Southerly to South-Westerly wind blew strongly at our western and north-western stations on the 18th and 19th, and the Westerly wind on the day following reached the force of a fresh or strong gale at many of our more northern stations, but the North-Westerly wind was generally light or moderate.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values “Since Jan. 1st” for this district have been altered a little in consequence of the receipt of some arrears of observations.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.		
		Tuesday, March 18. <i>Weather</i> fine at our eastern, southern, and the Continental stations, but cloudy and showery in the west and north-west. Rain extending later to all the northern stations, and lightning seen at Aberdeen in evening. <i>Temperature</i> risen a little in the east and south-east, but fallen elsewhere; readings ranging from 52° at Yarmouth to 45° at Stornoway. Thermometer subsequently rising to 62° at Yarmouth, 63° at Cambridge, and 66° in London. <i>Wind</i> strong South-Westerly on our western coasts, but moderate Southerly elsewhere. Subsequently veering to West in Ireland, and to South-West generally. <i>Sea</i> rough in the extreme west and south-west. <i>Barometer</i> falling at all but our southern and the French stations. Area of high pressure lying over the south-east of France, with large and rather deep depression off our north-west coasts. Depression moving north-eastwards later, and barometer rising in west.	
		Wednesday, March 19. <i>Weather</i> rainy in some parts of Scandinavia, but fine and bright in France, and fair in most parts of our Islands. Cloud and rain appearing over our western and northern coasts later. <i>Temperature</i> fallen a few degrees; readings ranging from 50° at Valencia to 42° at Stornoway. Highest maximum 58° at York, Loughborough, and in London. <i>Wind</i> Westerly on our northern coasts, and also on the eastern shores of the North Sea, but South-Westerly or Southerly elsewhere; fresh or strong in force at several of the western and northern stations. Fresh Southerly to South-Westerly gale subsequently blowing in west and north-west. <i>Sea</i> rough on our western coasts, moderate to smooth elsewhere. <i>Barometer</i> falling in Scandinavia and Denmark, as well as at Valencia, but rising over Great Britain and France. Depression of previous day now shown off the west of Norway. New and deeper disturbance advancing towards our north-west coasts later, occasioning brisk fall of barometer generally.	
		Thursday, March 20. <i>Weather</i> fine over France as well as the east and south of England, but unsettled and showery elsewhere. Showers of sleet, hail, or cold rain falling later in most parts, and thunderstorm occurring at Holyhead in evening. <i>Temperature</i> fallen generally; readings ranging from 46° at Scilly and Dover to 39° at Parsonstown. Maxima much lower than of late. <i>Wind</i> Northerly in the west of France, but Westerly or South-Westerly over our Islands and Scandinavia; strong to a gale at most of our northern stations. Veering to the Northward of West on many parts of our coasts during afternoon or evening. <i>Sea</i> rough or high in the west, but moderate in the east and south. <i>Barometer</i> rising in Ireland, the south-west of England, and the west of France, but falling elsewhere. Readings highest over the Bay of Biscay, and deep depression lying off the north of Scotland. Depression subsequently moving away in a north-easterly direction, and recovery of pressure taking place at all but the Scandinavian stations.	
		Friday, March 21. <i>Weather</i> dull and unsettled over Scandinavia and the east of France, but generally fine elsewhere. Showers of sleet, hail, or cold rain falling in most parts of our Island later. <i>Temperature</i> again fallen generally; readings ranging from 48° at Scilly to 36° at Nairn. <i>Wind</i> Southerly in Sweden and South-Westerly over Denmark, the Netherlands, and north-east of France, but North-Westerly elsewhere; moderate or fresh in force on all coasts. Subsequently backing to South-West in the west of Ireland. <i>Sea</i> rough on the west coasts of Great Britain. <i>Barometer</i> rising over our Islands and the west of France, but falling elsewhere. Pressure still highest over the Bay of Biscay, and depression of previous day now lying over the south of Norway. Depression moving eastwards later, but new fall of barometer appearing on our extreme western coasts.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

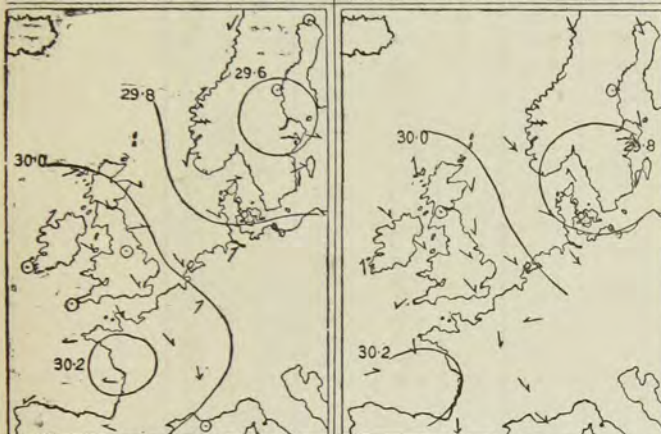
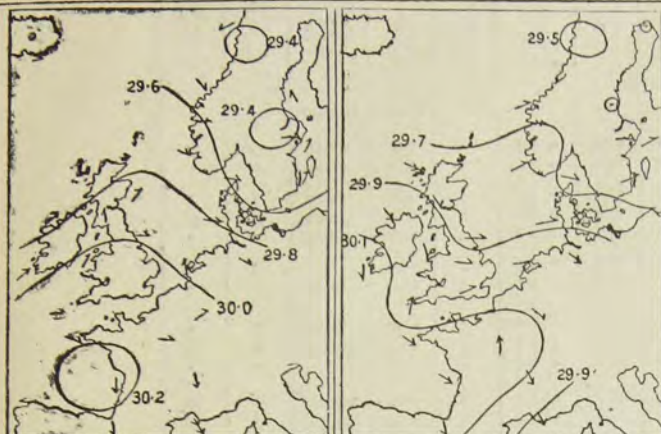
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, March 22.

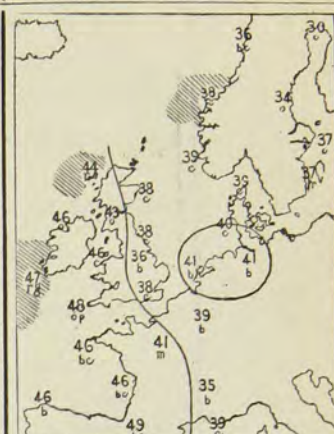
Weather fair at our eastern, southern, and most of the Continental stations, but dull and rainy in the west and north-west. Cloudy, showery weather extending later to most parts of our islands, but improvement taking place in west in evening.

Temperature risen in Ireland and Wales, but very little changed elsewhere; readings varying from 48° at Roche's Point and Scilly to 35° at Nairn.

Wind moderate Westerly or North-Westerly on all but our west and north-west coasts, where fresh South-Westerly. Subsequently veering to North-West in Ireland and Scotland.

Sea rather rough at Stornoway and Valencia, moderate to smooth elsewhere.

Barometer rising at all but our western and northern stations. Pressure highest in the west of France, with depression of previous two days over central Sweden, and new disturbances approaching our western coasts. Several very shallow depressions subsequently passing eastward across the United Kingdom, and barometer rising again in west.



Sunday, March 23.

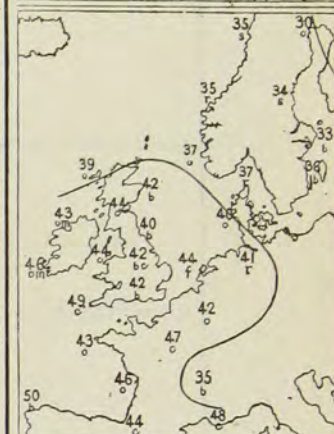
Weather fine in the eastern, southern, and central parts of Great Britain, but cloudy or overcast elsewhere, with snow or rain at some of the Scandinavian stations. Sky clearing in west later.

Temperature risen on all but our western coasts; readings ranging from 49° at Scilly to 37° at Parsonstown.

Wind Easterly in the south-west of France but Westerly or North-Westerly elsewhere; light and moderate in force generally. Subsequently backing to South at some of our western stations.

Sea slight or smooth.

Barometer rising at nearly all stations. Area of high pressure on the Bay of Biscay extending northwards to our west coasts, but remains of old depression still lying over Sweden. Slight fall taking place in Ireland later.



Monday, March 24.

Weather fine at all but the Irish stations, where sky overcast, with showers at Valencia. A little rain falling later at most of our western stations.

Temperature fallen a little; readings ranging from 49° at Scilly and Prawle Point to 36° at Nairn and 35° at Loughborough.

Wind Southerly at the western and northern but Northerly at the eastern, and variable at the more central stations; light or moderate in force generally.

Sea moderate to smooth, except at Scilly.

Barometer falling a little in France and the west and north of our Islands, but rising elsewhere. Large anticyclone lying over the greater part of the United Kingdom and France, and area of low pressure previously noticed over Scandinavia moving away in a south-easterly direction towards central Europe. Large but shallow depression skirting our western coasts during latter part of day.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn lying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b— = blue sky; —c— = detached clouds; —o— = overcast; —m— = misty (hazy); —f— = foggy; —q— = squally; —r— = rain; —h— = hail; —s— = snow; —l— = lightning; and —t— = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 45 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	o	o	o	o	o	o		Inches.	Inches.	•	•
	Stornoway	50	32	47.3	36.9	41.9	+ 1.3	5	1.21	+0.41	20	24
	Wick	51	32	46.9	37.0	41.8	+ 2.4	3	0.44	+0.04	•	•
1. SCOTLAND, E.	Nairn	56	32	49.0	36.6	42.6	+ 2.1	5	0.25	-0.10	•	•
	Aberdeen	53	31	49.6	36.7	42.9	+ 3.5	5	0.24	-0.22	37	44
	Leith	55	31	51.9	37.0	44.2	+ 2.5	4	0.23	-0.02	•	•
2. ENGLAND, N.E.	Alnwick Castle	54	31	48.9	37.1	42.8	+ 2.4	2	0.04	?	•	•
	Shields	57	31	51.0	37.4	44.0	+ 3.1	4	0.10	-0.25	•	•
	Durham											
	Scarborough	58	33	52.2	39.7	45.8	+ 3.9	2	0.08	-0.32	•	•
	York	60	31	53.6	37.1	45.1	+ 3.5	1	0.02	-0.36	30	35
3. ENGLAND, E.	Spurn Head	59	36	50.3	39.7	44.8	+ 3.6	2	0.09	?	•	•
	Hillington	62	30	54.0	38.0	45.8	+ 5.0	2	0.18	-0.16	37	44
	Yarmouth	62	34	51.1	39.0	44.8	+ 3.1	4	0.12	-0.29	•	•
	Gelderton	64	33	54.4	38.8	46.4	+ 4.3	3	0.12	-0.24	39	46
	Cambridge	63	32	55.3	37.4	46.1	+ 3.9	0	—	-0.34	45	53
4. MIDLAND COUNTIES	Rothamsted	60	31	52.8	37.8	45.0	+ 3.4	3	0.04	-0.34	•	•
	Bawtry (Hesley Hall)	63	27	53.7	36.4	44.8	+ 3.4	1	0.06	-0.33	•	•
	Loughborough	61	29	53.9	38.0	45.7	+ 4.1	1	0.07	-0.28	•	•
	Leicester	61	29	54.0	37.9	45.7	+ 4.4	1	0.10	-0.25	34	40
	Birmingham (Oscott)	60	31	52.4	37.2	44.6	+ 3.4	2	0.09	-0.35	•	•
	Cheadle	57	32	51.3	36.6	43.7	+ 3.3	2	0.10	?	•	•
	Churchstoke	59	29	52.6	36.2	44.2	+ 2.9	3	0.12	?	38	45
	Hereford	62	30	55.0	37.8	46.2	+ 3.7	1	0.03	-0.37	•	•
	Cirencester	59	31	52.0	38.0	44.8	+ 2.5	2	0.09	-0.39	30	35
	Oxford	60	33	53.9	39.7	46.6	+ 4.0	1	0.04	-0.33	35	41
5. ENGLAND, S.	London†	66	32	54.6	38.7	46.4	+ 3.1	3	0.05	-0.27	32	38
	Marlborough	60	30	52.9	37.0	44.7	+ 2.7	3	0.12	-0.36	31	36
	Strathfield Turgiss	61	30	55.2	36.6	45.6	+ 2.5	2	0.05	-0.30	•	•
	Dover	54	37	50.3	41.1	45.6	+ 2.2	3	0.09	-0.31	•	•
	Hastings (St. Leonard's)	55	35	52.0	41.4	46.5	+ 3.2	2	0.02	-0.40	38	45
	Southampton	60	33	55.6	40.3	47.7	+ 3.9	2	0.06	-0.41	36	42
	Hurst Castle	54	33	52.4	40.9	46.5	+ 2.1	3	0.08	-0.32	•	•
6. SCOTLAND, W.	Laudale (Loch Sunart)	60	34	54.9	39.1	44.2	+ 13.2	6	1.74	?	•	•
	Glasgow	52	34	48.4	37.2	42.6	+ 1.5	6	0.70	+0.12	23	27
	Ardrossan	52	36	48.3	40.1	44.1	+ 2.7	5	0.34	-0.26	•	•
	Silloth (Cumberland)	52	32	49.7	38.7	44.0	+ 1.4	4	0.25	-0.15	23	27
	Douglas (Isle of Man)	51	32	48.8	38.2	43.3	+ 0.4	6	0.47	-0.13	29	34
7. ENGLAND, N.W.	Newton Reigny (Penrith)	54	30	49.5	36.5	42.8	+ 1.9	5	0.25	?	34	40
	Barrow-in-Furness	50	29	48.9	39.1	43.8	+ 0.5	4	0.31	?	•	•
	Stonyhurst	54	31	50.5	37.6	43.9	+ 2.1	6	0.46	-0.24	27	32
	Blackpool	54	30	49.8	39.3	44.4	+ 1.0	4	0.14	-0.26	27	32
	Manchester	56	33	50.6	36.4	43.3	+ 1.5	3	0.21	-0.30	•	•
	Liverpool Obs† (Bidston)	55	37	51.0	41.3	46.0	+ 3.1	3	0.19	-0.17	•	•
	Llandudno	54	35	51.5	41.2	46.2	+ 2.3	2	0.06	-0.35	19	23
8. ENGLAND, S.W.	Holyhead	51	35	49.6	39.9	44.6	+ 0.2	4	0.20	-0.24	•	•
	Pembroke	50	38	48.4	42.9	45.6	+ 0.7	4	0.10	-0.34	36	42
	Arlington (N. Devon)	55	31	51.3	38.0	44.4	+ 1.6	3	0.26	?	•	•
	Cullompton	60	30	53.9	38.7	46.1	+ 2.5	4	0.30	?	41	48
	Falmouth	55	39	51.6	42.8	47.1	+ 1.7	5	0.23	-0.57	38	45
9. IRELAND, N.	Plymouth	56	34	54.4	41.3	47.7	+ 2.4	2	0.12	-0.48	40	47
	Prawle Point	53	37	51.7	40.9	46.1	+ 1.6	2	0.10	?	•	•
	Londonderry	55	35	51.2	37.7	44.3	+ 2.3	5	0.62	+0.02	•	•
	Mullaghmore	53	38	50.0	41.6	45.6	+ 2.2	5	0.49	?	•	•
	Markree Castle	53	33	50.6	37.6	43.9	+ 1.1	6	0.43	?	21	25
10. IRELAND, S.	Brookeborough	52	31	49.8	36.1	42.8	+ 1.5	4	0.40	?	•	•
	Armagh	54	35	50.1	38.7	44.2	+ 1.4	6	0.55	+0.10	23	27
	Donaghadee	53	35	49.9	38.1	43.8	- 0.1	6	0.29	-0.11	•	•
	Dublin	56	35	52.8	39.7	46.1	+ 2.2	3	0.08	-0.33	35	41
	Parsonstown	54	33	51.6	37.7	44.5	+ 1.7	4	0.28	-0.27	25	29
CHANNEL ISLANDS	Kilkenny (The Castle)	56	32	51.9	36.6	44.0	+ 1.2	5	0.18	?	•	•
	Waterford	56	31	52.4	37.5	44.7	0.0	6	0.36	-0.34	•	•
	Roche's Point	56	38	52.9	41.6	47.1	+ 2.2	6	0.45	-0.40	•	•
	Valencia	55	38	52.4	43.4	47.8	+ 1.7	7	0.73	-0.14	28	33
	Foynes	60	34	54.9	36.5	45.4	+ 0.3	2	0.07	?	•	•
CHANNEL ISLANDS	Scilly (St. Mary's)	56	41	52.6	43.9	48.1	+ 1.3	5	0.26	-0.29	•	•
	Jersey (Noirmont)	57	41	51.6	43.6	47.5	+ 3.1	3	0.08	-0.46	51	60

Stations marked *ft* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—Owing to the interruption in telegraphic communication the values for Sumburgh Head cannot yet be computed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.

VOL. I. No. 13.]
New Series.

WEEK ENDING MONDAY, 31ST MARCH, 1884.

[Price 4d.
[Annual subscription,
post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 52.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH††	52	30	47.2	36.6	41.8	1 above.	Day deg. 15	Day deg. 123	Day deg. 22	Day deg. 311
	1. SCOTLAND, EAST -	55	29	46.1	33.8	39.8	2 below.	11	194	31	299
	2. ENGLAND, N.E.* -	50	29	44.0	36.0	39.9	2 below.	6	207	22	223
	3. ENGLAND, EAST -	55	26	46.6	35.3	40.8	2 below.	13	280	26	234
	4. MIDLAND COUNTIES*	51	29	44.5	34.2	39.2	4 below.	7	288	28	233
	5. ENGLAND, SOUTH -	54	28	47.2	37.2	42.1	3 below.	21	330	13	119
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST ‡ -	53	30	45.2	36.5	40.8	2 below.	9	203	21	187
	7. ENGLAND, N.W.* -	51	27	44.1	35.1	39.5	4 below.	6	225	25	186
	8. ENGLAND, S.W. -	52	32	46.5	37.9	42.1	4 below.	18	342	11	69
	9. IRELAND, NORTH -	52	30	45.6	36.9	41.1	3 below.	10	247	19	192
	10. IRELAND, SOUTH -	53	30	48.5	37.6	42.9	2 below.	24	377	13	93
	— CHANNEL ISLANDS.	52	38	48.2	41.4	44.7	2 below.	21	414	2	5

DISTRICTS. (See p. 52.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH††	3	10ths of In. 2	10ths of In. 4 less.	67	Ins. 11.9	31	176	35	19
	1. SCOTLAND, EAST -	2	3	1 less.	52	6.3	15	199	17	23
	2. ENGLAND, N.E.* -	2	2	2 less.	44	6.5	8	150	9	16
	3. ENGLAND, EAST -	2	1	3 less.	42	4.0	9	205	10	22
	4. MIDLAND COUNTIES*	1	4	1 less.	47	6.9	7	179	8	19
	5. ENGLAND, SOUTH -	2	1	3 less.	48	6.8	8	196	9	13
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	2	3	3 less.	68	17.0	9	142	10	16
	7. ENGLAND, N.W.* -	1	4	1 less.	57	11.6	6	133	7	14
	8. ENGLAND, S.W. -	3	7	2 more.	62	12.0	11	173	13	17
	9. IRELAND, NORTH -	3	7	2 more.	70	12.2	11	144	13	16
	10. IRELAND, SOUTH -	5	6	0 (average).	67	15.4	18	177	20	18
	— CHANNEL ISLANDS.	3	6	0 (average).	59	9.3	27	305	31	31

General Remarks.

Weather has been very cloudy or dull in nearly all parts of the Kingdom. Very little rain has, however, fallen over Scotland and the greater part of England, but in Ireland and the south-west of England some rather heavy falls of rain or sleet occurred towards the end of the period.

Temperature has been 1° above the mean in "Scotland, N." but below it in all other districts, the deficit in the "Midland Counties" and the south-west and north-west of England being 4°. The maxima, which were recorded on the 25th in Ireland and Scotland, and on the 31st at most of the English stations, varied from 50° in "England, N.E." to 55° in "Scotland, E." and "England, E." The minima, which were registered on different days in the various parts of the country, ranged from 26° in "England, E." and 27° in "England, N.W." to 32° in "England, S.W." and 38° in the "Channel Islands".

Rainfall has been slightly in excess of, or about equal to, the mean in Ireland and the south-west of England, but less elsewhere.

Bright sunshine shows an increase in duration in "Scotland, N.", but a considerable decrease in all other places; the percentages ranged from 7 in "England, N.W." and 9 in "England, N.E." and "England, S.", to 31 in the "Channel Islands" and 35 in "Scotland, N."

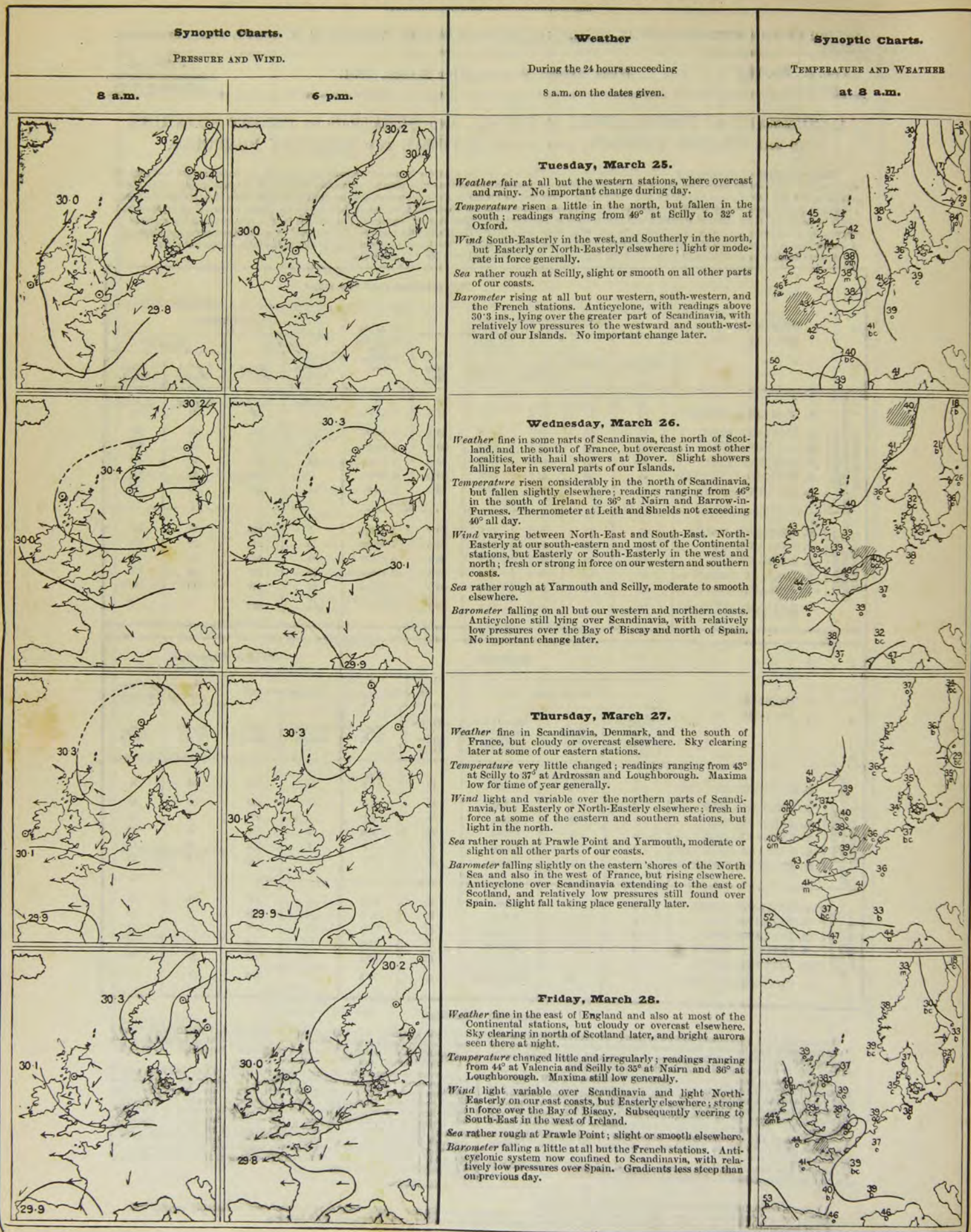
Depressions observed.—During nearly the whole of this period an area of high pressure has existed over Scandinavia, the North Sea, and the more northern parts of our Islands, while the barometer has been relatively low in the South and South-west. Light or moderate breezes from between South-East and North-East have consequently been general over England and Ireland, and Southerly breezes in the north of Scotland. Towards the close of the week, however, a depression appeared off our western coasts, the high pressure area at the same time receding north-eastward, so that the wind in our Islands shifted to the Southward and increased considerably in force. At some of our extreme western and northern stations a slight gale was experienced.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values "Since Jan. 1st" for this district have been altered a little in consequence of the receipt of some arrears of observations.

‡ The accumulated values for this district have been slightly altered owing to some errors in the return from Lauderdale.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.



SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

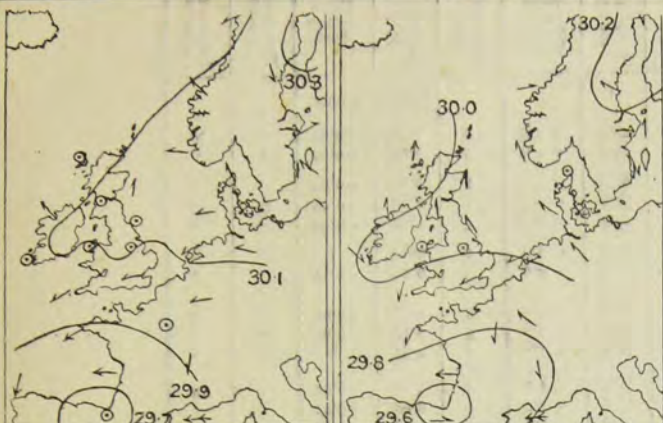
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, March 29.

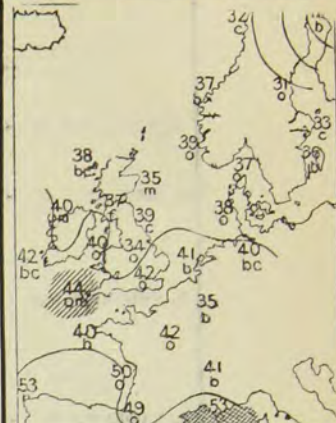
Weather fine in the north and east of our Islands, but cloudy or overcast elsewhere, with mist in several places. Sky clearing in east and south later. Bright aurora seen at Wick in evening.

Temperature risen a little at the southern stations, but scarcely changed elsewhere; readings ranging from 44° at Scilly and Dover to 34° at York. Maxima rather higher than on previous day.

Wind Easterly over England, Ireland, and France, but light and variable in Scotland and Scandinavia. Southerly breezes setting in on our northern coasts later.

Sea rather rough at Scilly, slight or smooth elsewhere.

Barometer falling generally. Highest pressure now shown over Gulf of Bothnia, but lowest still lying over Spain. Fall continuing all day.



Sunday, March 30.

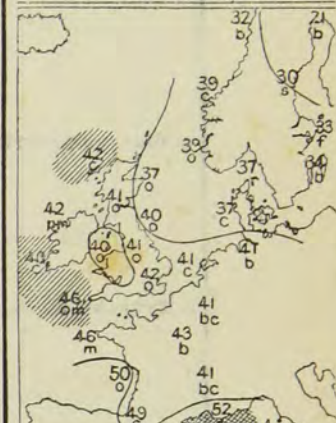
Weather fine at some of our northern and eastern stations, but cloudy or overcast elsewhere, with showers at Mullaghmore and steady rain at Jersey. Rain or sleet falling later at most western stations.

Temperature risen slightly in most places; readings ranging from 46° at Valencia and Scilly to 37° at Aberdeen.

Wind moderate Northerly or North-Easterly on our eastern and southern coasts but Southerly in the north and north-west and South-Easterly on the eastern shores of the North Sea. Wind freshening from south or south-west in Ireland and Scotland at night.

Sea rough in extreme west and north, moderate to smooth elsewhere.

Barometer falling at all but the Swedish stations. Readings still highest over Gulf of Bothnia and relatively low in Spain, but large depression appearing off our north-west coasts. No important change later.



Monday, March 31.

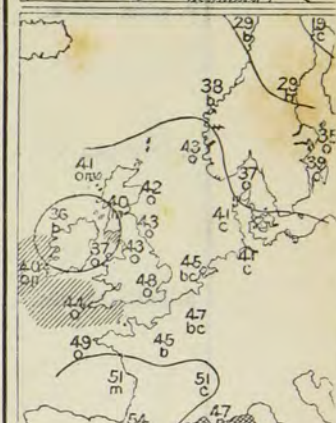
Weather fine in the west of Ireland and some parts of France, cloudy or overcast elsewhere, with showers at Valencia and Roche's Point. Rain falling later in most parts of the United Kingdom, and lightning seen in Ireland at night.

Temperature fallen in Ireland, but risen over Great Britain; readings ranging from 48° in London and at Cambridge to 35° at Parsonstown.

Wind South-Westerly on our south-west coasts, but South-Easterly elsewhere; moderate or fresh in force generally. Slight South-Easterly gale in north of Scotland later.

Sea rough on several parts of our western coasts.

Barometer falling at all but the Swedish stations. Readings highest over Gulf of Bothnia, with large depression off the west of Ireland. Fall continuing all day, but depression not moving much.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 49 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	°	°	°	°	°	°		Inches.	Inches.	*	*
	Stornoway	52	30	47.3	36.9	42.0	+ 0.6	2	0.13	-0.64	31	35
	Wick	52	31	47.0	36.3	41.5	+ 1.2	3	0.32	-0.08	*	*
1. SCOTLAND, E.	Nairn	53	29	48.6	32.9	40.5	- 1.0	1	0.03	-0.32	*	*
	Aberdeen	48	32	44.4	34.9	39.5	- 0.9	3	0.75	+0.25	15	17
	Leith	55	30	45.3	33.7	39.3	- 3.5	1	0.13	-0.20	*	*
2. ENGLAND, N.E.	Alnwick Castle	47	32	42.4	35.1	38.7	- 3.0	2	0.22	?	*	*
	Shields	49	35	43.3	36.3	39.7	- 2.2	2	0.26	-0.13	*	*
	Durham										*	*
	Scarborough	46	35	43.5	36.6	40.0	- 1.9	5	0.45	+0.05	*	*
	York	50	29	46.1	33.6	39.7	- 3.3	1	0.16	-0.23	8	9
3. ENGLAND, E.	Spurn Head	49	35	44.6	38.4	41.4	- 1.1	2	0.04	?	*	*
	Hillington	55	26	47.7	33.5	40.4	- 1.5	2	0.03	-0.32	9	10
	Yarmouth	51	34	45.0	38.4	41.6	- 1.2	4	0.08	-0.32	*	*
	Geldeston	54	29	47.0	35.8	41.2	- 2.4	3	0.05	-0.32	13	15
	Cambridge	55	27	48.0	34.6	41.1	- 2.5	2	0.04	-0.32	5	6
4. MIDLAND COUNTIES	Rothamsted	52	28	45.2	34.2	39.5	- 3.3	1	0.04	-0.36	*	*
	Bawtry (Hesley Hall)										*	*
	Loughborough	50	31	44.9	34.7	39.6	- 3.5	2	0.21	-0.14	*	*
	Leicester	51	33	46.3	35.5	40.7	- 2.2	1	0.23	-0.15	6	7
	Birmingham (Oscott)	49	30	43.6	34.1	38.7	- 3.9	1	0.40	-0.06	*	*
	Cheadle	49	32	42.8	33.7	38.1	- 3.8	1	0.31	?	*	*
	Churchstoke	48	29	42.7	33.0	37.7	- 5.1	2	0.56	?	9	10
	Hereford	51	33	45.3	35.6	40.3	- 3.5	2	0.57	+0.17	*	*
	Cirencester	47	30	44.1	32.9	38.3	- 5.3	1	0.51	+0.01	9	10
	Oxford	50	29	46.3	34.4	40.2	- 4.1	1	0.13	-0.25	5	6
5. ENGLAND, S.	London†	54	33	47.1	38.1	42.5	- 2.6	0	—	-0.35	2	2
	Marlborough	48	30	44.1	33.7	38.7	- 4.7	1	0.38	-0.12	4	5
	Strathfield Turgiss	52	28	47.3	34.7	40.8	- 3.2	2	0.11	-0.27	*	*
	Dover	53	34	46.9	38.6	42.6	- 2.3	3	0.17	-0.25	*	*
	Hastings (St. Leonard's)	52	35	48.0	39.3	43.5	- 1.0	2	0.10	-0.34	14	16
	Southampton	53	32	48.6	37.7	43.0	- 2.1	1	0.05	-0.43	10	11
	Hurst Castle	51	36	48.4	38.6	43.4	- 2.2	2	0.05	-0.40	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	48	32	46.6	37.2	41.7	- 0.2	3	0.40	?	*	*
	Glasgow	50	35	44.6	36.4	40.4	- 2.1	1	0.24	-0.32	2	2
	Ardrossan	49	33	44.6	37.1	40.8	- 1.6	2	0.15	-0.43	*	*
	Silloth (Cumberland)	53	30	45.8	35.5	40.5	- 3.2	1	0.17	-0.23	12	14
	Douglas (Isle of Man)	48	34	44.5	36.5	40.4	- 3.5	3	0.54	-0.03	12	14
	Newton Reigny (Penrith)	51	27	42.4	33.0	37.5	- 4.5	2	0.56	?	7	8
7. ENGLAND, N.W.	Barrow-in-Furness	49	33	45.3	36.1	40.6	- 4.0	1	0.31	?	*	*
	Stonyhurst	49	31	44.0	34.6	39.1	- 3.8	1	0.22	-0.43	6	7
	Blackpool	51	30	44.6	34.8	39.5	- 5.0	1	0.26	-0.14	6	7
	Manchester	50	31	43.0	34.4	38.6	- 4.2	1	0.21	-0.29	*	*
	Liverpool Obs† (Bidston)	50	33	44.3	36.9	40.5	- 4.0	1	0.18	-0.17	*	*
	Llandudno										*	*
	Holyhead	51	34	45.4	35.7	40.4	- 5.1	2	0.79	+0.38	*	*
8. ENGLAND, S.W.	Pembroke	48	38	45.7	39.1	42.3	- 3.6	2	0.91	+0.39	26	30
	Arlington (N. Devon)	48	33	45.6	35.3	40.3	- 4.1	2	0.89	?	*	*
	Cullompton	50	32	47.1	35.8	41.3	- 3.8	2	0.76	?	3	3
	Falmouth	49	39	46.3	40.4	43.3	- 3.1	6	0.99	+0.21	5	6
	Plymouth	52	37	48.5	38.6	43.4	- 3.0	2	0.98	+0.38	10	11
	Prawle Point	48	37	45.7	38.3	41.9	- 3.6	4	0.55	?	*	*
9. IRELAND, N.	Londonderry	52	32	47.2	36.0	41.4	- 2.1	3	0.83	+0.23	*	*
	Mullaghmore	49	34	45.6	39.0	42.2	- 2.7	3	0.36	?	*	*
	Markree Castle	50	30	46.0	35.9	40.8	- 4.2	3	0.29	?	11	13
	Brookeborough	49	32	44.7	36.1	40.3	- 2.5	3	0.63	?	*	*
	Armagh	49	34	45.2	37.2	41.1	- 2.8	3	0.94	+0.47	11	13
	Donaghadee	48	34	45.0	37.1	41.0	- 3.9	3	1.05	+0.63	*	*
10. IRELAND, S.	Dublin	52	35	47.6	39.0	43.2	- 1.8	2	0.45	0.00	14	16
	Parsonstown	51	31	47.6	36.3	41.8	- 2.0	3	0.52	-0.02	22	25
	Kilkenny (The Castle)	52	30	48.1	35.6	41.7	- 2.1	3	0.50	?	*	*
	Waterford	50	30	46.9	37.2	41.9	- 3.6	3	0.66	-0.04	*	*
	Roche's Point	53	35	49.1	39.6	44.2	- 1.7	3	0.67	+0.32	*	*
	Valencia	51	33	49.6	38.9	44.1	- 2.8	4	0.84	-0.05	17	19
CHANNEL ISLANDS	Poynes	51	32	49.1	35.9	42.3	- 2.7	3	0.47	?	*	*
	Sceilly (St. Mary's)	50	40	48.3	42.0	45.1	- 2.6	5	1.21	+0.65	*	*
	Jersey (Noirmont)	52	38	48.0	40.7	44.3	- 1.3	1	0.02	-0.52	27	31

Stations marked *fa* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—Owing to the interruption in telegraphic communication the values for Sumburgh Head cannot yet be computed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY J. D. POTTER, 31, POULTRY, AND 11, KING STREET, TOWER HILL, AND E. STANFORD, 55, CHARING CROSS.

VOL. I. No. 14.]
New Series.

WEEK ENDING MONDAY, 7TH APRIL, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 56.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH†	58	32	51.5	38.3	44.5	3 above.	Day deg. 33	Day deg. 152	Day deg. 10	Day deg. 320
	1. SCOTLAND, EAST -	61	30	54.5	38.3	46.0	4 above.	44	238	10	309
	2. ENGLAND, N.E.* -	67	35	53.8	42.7	48.0	5 above.	42	249	0	223
	3. ENGLAND, EAST -	69	36	58.8	43.3	50.7	6 above.	61	341	0	234
	4. MIDLAND COUNTIES	68	33	57.9	42.7	49.9	5 above.	55	344	0	234
	5. ENGLAND, SOUTH -	68	40	57.1	45.7	51.1	5 above.	64	394	0	119
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	62	33	53.9	42.2	47.8	4 above.	41	244	0	187
	7. ENGLAND, N.W. -	63	32	55.4	42.6	48.7	4 above.	47	272	0	185
	8. ENGLAND, S.W. -	60	34	52.0	43.5	47.5	1 above.	39	381	0	69
	9. IRELAND, NORTH -	59	32	53.2	40.2	46.4	1 above.	38	285	5	197
	10. IRELAND, SOUTH -	65	33	54.6	41.6	47.8	2 above.	42	420	1	94
	- CHANNEL ISLANDS.	57	42	54.3	45.4	49.6	2 above.	53	467	0	5
DISTRICTS. (See p. 56.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH †	4	10ths of In. 4	10ths of In. 2 less.	70	Ins. 12.5	35	211	38	20	
	1. SCOTLAND, EAST -	4	5	1 more.	56	6.8	18	217	19	23	
	2. ENGLAND, N.E.* -	6	6	2 more.	50	7.1	33	183	36	17	
	3. ENGLAND, EAST -	5	6	2 more.	47	4.6	35	240	38	23	
	4. MIDLAND COUNTIES	6	10	6 more.	53	7.9	21	200	23	20	
	5. ENGLAND, SOUTH -	5	9	4 more.	53	7.7	22	218	25	14	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	5	6	1 more.	73	17.6	31	173	33	17	
	7. ENGLAND, N.W. -	6	7	3 more.	65	12.3	28	162	31	15	
	8. ENGLAND, S.W. -	6	14	8 more.	68	13.4	21	194	23	18	
	9. IRELAND, NORTH -	6	9	4 more.	76	13.1	29	173	32	17	
	10. IRELAND, SOUTH -	5	10	3 more.	72	16.4	43	220	48	20	
	- CHANNEL ISLANDS.	5	9	4 more.	64	10.2	16	321	18	31	

General Remarks.

Weather has been changeable and unsettled generally, with rather frequent falls of rain in all parts of the Kingdom. At many of the English stations thunderstorms have been experienced.

Temperature has been much higher than during last week, the values varying from 1° above the mean in "England, S.W." and "Ireland, N.", to 4° over the greater part of Scotland and in "England, N.W.", and to 5° or 6° over central, southern, and eastern England. The thermometer was generally highest on the 2nd or 3rd, when maxima ranging from 57° in the "Channel Islands" and 58° in "Scotland, N.", to 68° in the "Midland Counties" and "England, S." and 69° in "England, E." were recorded. The minima, which were registered in most places on the 1st, varied from 36° in "Scotland, E." to 40° in "England, S." and 42° in the "Channel Islands".

Rainfall has been rather more than the mean in all districts excepting "Scotland, N."

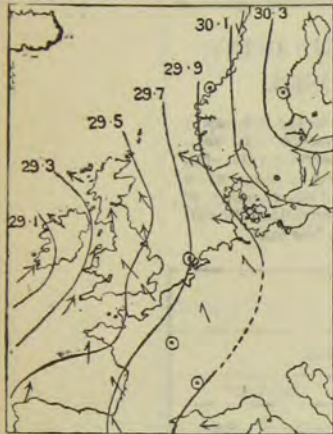
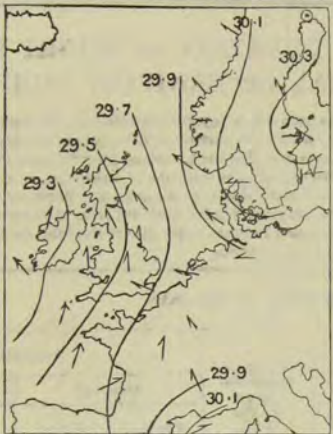
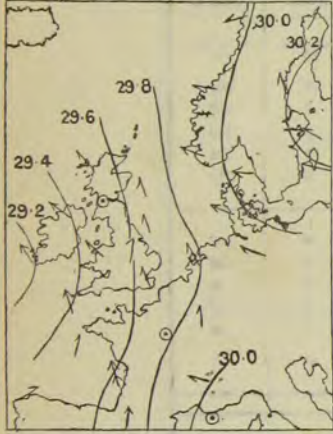
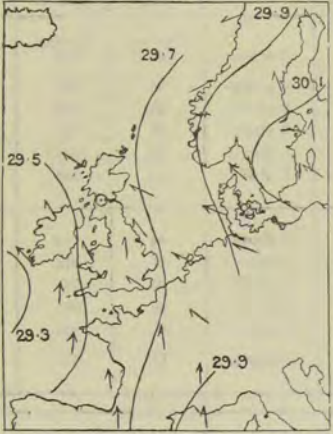
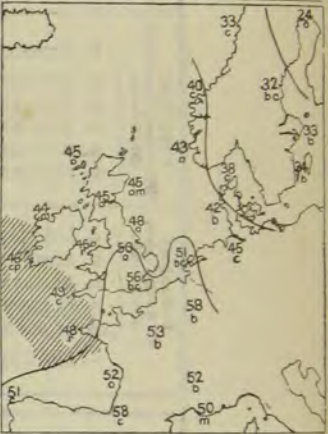
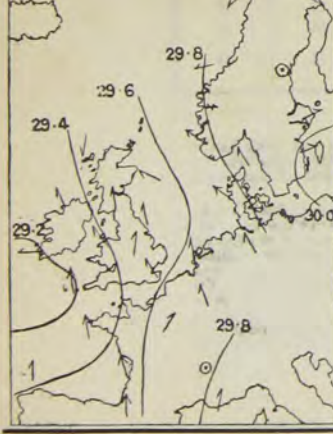
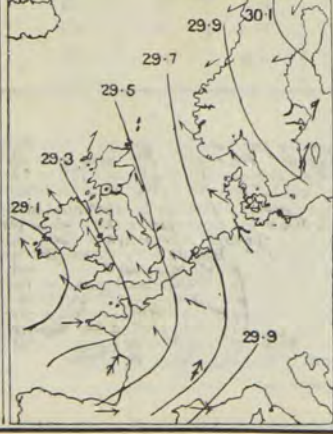
Bright sunshine has been less prevalent than during last week in the "Channel Islands" but considerably more so in all other districts; the percentage of possible duration was highest (48) in "Ireland, S." and lowest (19) in "Scotland, E." and (18) in the "Channel Islands".

Depressions observed.—Pressure has continued highest over Scandinavia, and relatively low in the south-eastern and western parts of our area. Low pressure systems, apparently moving in a northerly direction some distance to the westward of our Islands, have caused the barometer to oscillate somewhat at our western stations, but the only well defined depressions noticed in our immediate neighbourhood have been two small subsidiary disturbances,—one moving north-north-westwards from the coast of Brittany during the 5th, and the other in a similar direction over our eastern counties on the 7th. The general current of wind has consequently been Southerly or South-Easterly, and, though fresh or strong in most places on the 1st and 2nd, afterwards became moderate or very light.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values "Since Jan. 1st" for this district have been altered a little in consequence of the receipt of some arrears of observations.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, April 1. <i>Weather</i> fair at most of the Continental stations, but changeable and unsettled in our Islands, with rain in several places. Lightning seen in Ireland at night. <i>Temperature</i> risen excepting in north; readings ranging from 53° in London to 37° at Stornoway, Nairn, and Mullaghmore. Highest maxima 64° at Cambridge and 59° in London. <i>Wind</i> fresh Southerly over England and France, and South-Westerly in the south of Ireland, but strong to a gale from the Eastward or South-Eastward in the north of Scotland and south of Scandinavia. Subsequently backing to South-East in many parts of England and Ireland. <i>Sea</i> high at Wick and rough on many parts of our western and northern coasts. <i>Barometer</i> falling a little at most of our western stations, but rising elsewhere. Large high pressure area (with readings above 30.4 ins.) lying over Northern Europe, and depression (with readings below 29.0 ins.) off the west of Ireland. Depression in west moving away later, and barometer rising generally.	
		Wednesday, April 2. <i>Weather</i> fine at our eastern, south-eastern, and most of the Continental stations, but cloudy or overcast elsewhere, with rain in several places. Thunderstorms occurring over the east and south-east of Great Britain at night. <i>Temperature</i> risen a little generally; readings ranging from 56° in London to 40° at Nairn. Thermometer subsequently rising to 65° at York and 68° in London and at Cambridge. <i>Wind</i> Easterly in Norway and Denmark, but South-Easterly or Southerly elsewhere; moderate in force generally, but strong at some of our south-western stations, as well as in the west of France. <i>Sea</i> rough on our south-west coasts, moderate to smooth elsewhere. <i>Barometer</i> falling somewhat in the north of Scandinavia and south-west of France, but rising in all other localities. Distribution of pressure very similar to that of previous day, but gradients less steep. Slight fall taking place later at all but our western stations.	
		Thursday, April 3. <i>Weather</i> fair at the majority of stations, but foggy or misty in many parts of Scotland and rainy at Pwllheli Point and Jersey. Rain falling later at most of the western stations, and thunderstorms occurring in the west of Scotland and north-west of England. <i>Temperature</i> changed little and irregularly; readings ranging from 56° at Oxford to 40° at Stornoway. Highest maxima 68° at Cambridge, 67° at York, and 66° at Loughborough. <i>Wind</i> Westerly in the south-west of France and South-Westerly in the north of Scandinavia, but generally South-Easterly elsewhere; light or moderate in force in most places. Becoming very variable over England during latter part of day. <i>Sea</i> rough at Valencia; moderate to smooth elsewhere. <i>Barometer</i> falling at all but the Irish and Scotch stations. Pressure highest over the Baltic and lowest off our south-west coasts, but some small shallow depressions lying over the south of England and north of France. Depressions moving northwards later, and barometer falling a little in Scotland.	
		Friday, April 4. <i>Weather</i> fine at the south-eastern and most of the Continental stations, but cloudy or overcast elsewhere, with rain at Ardrossan, Scilly, and Brest. Rain falling later on all our western and northern coasts, and lightning occurring in some parts of Ireland and England. <i>Temperature</i> fallen a few degrees in most places; readings ranging from 50° at Dover and in London to 42° at Nairn. Maxima considerably lower than of late. <i>Wind</i> South-Easterly or Southerly; light in force in the east and north, but strong in the south-west. Subsequently veering to South-West in the west of France. <i>Sea</i> rough at the mouth of the Channel; moderate to smooth elsewhere. <i>Barometer</i> falling at all but the eastern French stations. General distribution of pressure same as on previous day, but small shallow depression lying over the north of England. Well defined depression—subsidiary to the low pressure area in the south-west—appearing over the western part of the Channel in evening.	

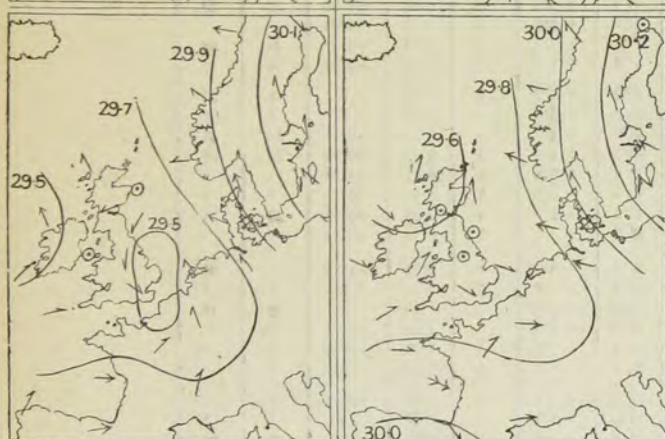
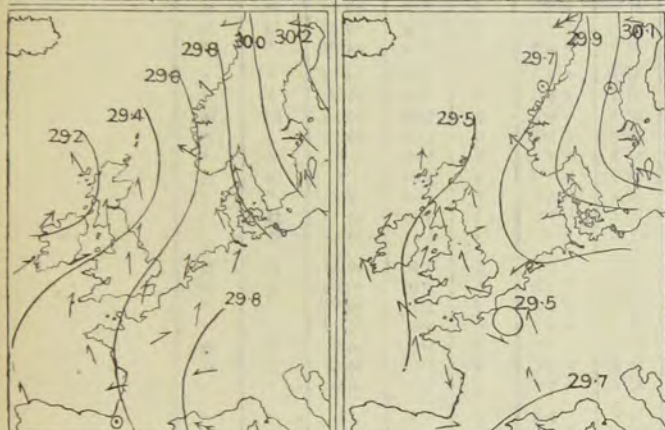
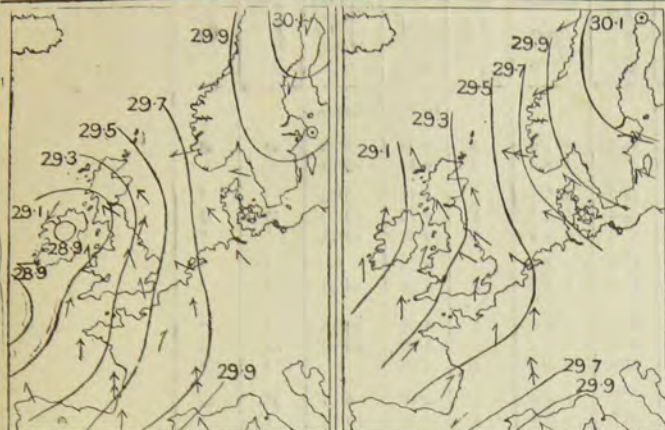
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, April 5.

Weather fair over the greater part of England as well as on the eastern shores of the North Sea, but cloudy or overcast elsewhere, with rain in several places. No important change later, but thunderstorm occurring at Shields.

Temperature changed little and irregularly; readings ranging from 52° at Scilly to 43° at Nairn and Aberdeen.

Wind Easterly in Scotland and also on the eastern shores of the North Sea, but South-Easterly or Southerly elsewhere, fresh or strong in force generally. Subsequently veering to South-East in Scotland and to South-West at some of our southern stations.

Sea rough in the Irish Channel and at Aberdeen, moderate elsewhere.

Barometer falling at all but the Swedish stations. Pressure highest over north of Sweden and lowest off our south-west coasts, with well defined subsidiary disturbance of previous evening over the north of Ireland. Depression continuing to move in a north-north-westerly direction during day, and barometer rising in west and south.

Sunday, April 6.

Weather fair in most parts of our Islands, but cloudy or overcast at the continental stations, with rain in several places. Rain falling in the south-east of England at night, and thunderstorm occurring at Yarmouth.

Temperature risen a little in most places; readings ranging from 51° at Scilly and Oxford to 45° at Wick, Aberdeen, and Mullaghmore.

Wind Easterly in the south of France and South-Easterly on the eastern shores of the North Sea, but Southerly or South-Westerly in most parts of our Islands. Subsequently backing to East in the south-east of England.

Sea rough at Barrow-in-Furness and Scilly, moderate to smooth elsewhere.

Barometer rising at all but the extreme northern stations. Area of high pressure lying over Sweden, and large depression off our north-west coasts. Latter moving away during day, but small shallow depression forming over the north of France.

Monday, April 7.

Weather fine on our western and northern coasts and also at some of the continental stations, but cloudy or overcast elsewhere, with rain over eastern and central England. Rain ceasing later.

Temperature fallen in most parts of Great Britain; readings ranging from 52° at Dover and 51° at Valencia and Scilly to 40° at Aberdeen.

Wind South-Easterly in Ireland and Scotland, and also on the eastern shores of the North Sea, but Westerly or South-Westerly in France and Northerly over the greater part of England. Light or moderate in force generally.

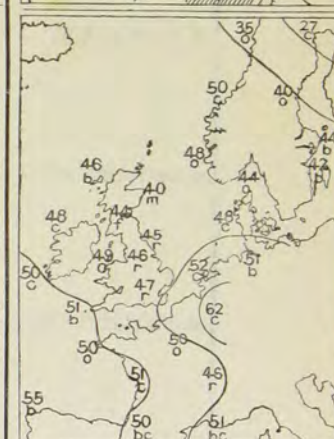
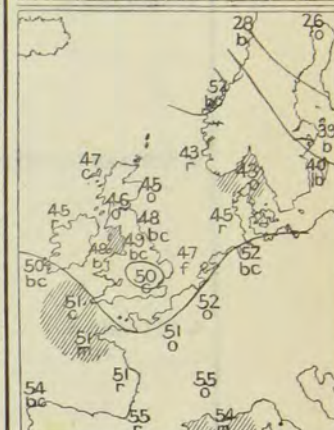
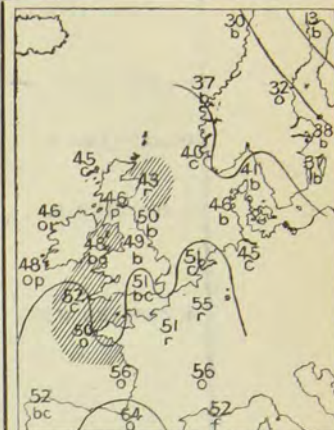
Sea moderate to smooth.

Barometer falling over the south-east of England and north-east of France, rising elsewhere. Readings highest over Sweden and lowest in the west of Ireland, with shallow depression lying over our eastern and south-eastern counties. Depression moving northwards later and barometer rising in south-east.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 53 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	°	°	°	°	°	°		Inches.	Inches.	•	•
	Stornoway	56	32	52.3	37.1	44.3	+ 1.9	3	0.38	-0.32	35	38
	Wick	58	35	50.7	39.3	44.7	+ 3.4	4	0.33	-0.07	•	•
1. SCOTLAND, E.	Nairn	60	30	55.9	37.0	46.0	+ 3.4	2	0.11	-0.23	•	•
	Aberdeen	56	34	50.7	38.7	44.3	+ 2.5	6	0.81	+0.29	18	19
	Leith	61	30	56.9	39.1	47.6	+ 4.6	4	0.48	+0.11	•	•
2. ENGLAND, N.E.	Alnwick Castle	56	40	52.3	41.9	46.9	+ 4.1	6	0.70	?	•	•
	Shields	59	37	53.3	41.9	47.3	+ 4.0	7	0.82	+0.42	•	•
	Durham	•	•	•	•	•	•	•	•	•	•	•
	Scarborough	58	38	53.6	43.1	48.1	+ 4.9	5	0.58	+0.18	•	•
	York	67	35	58.7	43.7	50.8	+ 6.2	6	0.65	+0.25	33	36
3. ENGLAND, E.	Spurn Head	56	38	51.3	43.1	47.0	+ 3.1	4	0.35	?	•	•
	Hillington	69	36	61.6	42.8	51.7	+ 8.2	4	0.33	-0.05	32	35
	Yarmouth	55	43	51.3	44.4	47.7	+ 3.6	4	0.63	+0.22	•	•
	Geldeston	65	41	60.3	44.2	51.9	+ 6.7	5	0.83	+0.46	39	43
	Cambridge	68	39	62.0	42.1	51.6	+ 6.2	5	0.67	+0.30	34	37
	Rothamsted	66	40	58.8	42.9	50.4	+ 5.6	6	0.75	+0.28	•	•
	Bawtry (Hesley Hall)	67	33	60.7	41.6	50.7	+ 6.9	6	0.59	+0.19	•	•
4. MIDLAND COUNTIES	Loughborough	66	35	59.0	42.7	50.5	+ 6.6	7	1.14	+0.77	•	•
	Leicester	68	37	59.4	44.1	51.4	+ 6.9	7	0.94	+0.54	16	18
	Birmingham (Oscott)	64	36	57.7	42.2	49.6	+ 5.5	6	1.21	+0.75	•	•
	Cheadle	62	34	56.0	41.4	48.4	+ 5.2	7	1.07	?	•	•
	Churchstoke	60	37	56.3	41.2	48.4	+ 3.7	5	0.84	?	28	31
	Hereford	59	38	57.8	43.0	50.1	+ 4.6	7	1.08	+0.68	•	•
	Cirencester	60	37	56.1	42.6	49.0	+ 3.2	7	0.99	+0.48	15	16
	Oxford	64	41	58.1	45.3	51.4	+ 5.3	6	1.01	+0.61	23	25
5. ENGLAND, S.	London†	68	43	61.0	46.3	53.3	+ 6.7	5	0.63	+0.23	26	29
	Marlborough	61	40	55.7	43.8	49.5	+ 4.7	6	1.15	+0.62	16	18
	Strathfield Turgiss	66	42	59.3	44.2	51.5	+ 6.1	5	1.11	+0.71	•	•
	Dover	60	45	55.4	47.0	51.0	+ 4.5	4	0.55	+0.15	•	•
	Hastings (St. Leonard's)	59	46	55.5	47.0	50.8	+ 4.9	6	0.56	+0.09	27	30
	Southampton	62	44	58.0	46.0	51.5	+ 5.1	6	1.06	+0.57	19	21
	Hurst Castle	58	41	54.9	45.7	50.1	+ 3.3	6	0.87	+0.40	•	•
6. SCOTLAND, W.	Laudale (Loch Sunart)	57	36	53.2	42.7	47.7	+ 4.6	7	0.68	?	•	•
	Glasgow	57	35	54.0	42.5	48.0	+ 4.2	6	0.58	+0.01	27	29
	Ardrossan	58	34	52.7	41.3	46.7	+ 2.9	4	0.52	-0.05	•	•
	Silloth (Cumberland)	62	33	57.6	42.3	49.6	+ 4.8	5	0.52	+0.11	31	34
	Douglas (Isle of Man)	56	39	52.0	42.1	46.8	+ 1.4	5	0.83	+0.31	34	37
7. ENGLAND, N.W.	Newton Reigny (Pemrith)	62	32	55.6	40.9	47.9	+ 4.7	6	0.81	?	31	34
	Barrow-in-Furness	63	37	55.3	43.6	49.2	+ 3.3	5	0.74	?	•	•
	Stonyhurst	62	36	55.6	43.3	49.2	+ 4.7	6	0.54	-0.07	28	31
	Blackpool	63	36	56.0	42.6	49.0	+ 3.2	6	0.85	+0.50	25	27
	Manchester	63	36	56.8	42.8	49.5	+ 5.8	5	0.61	+0.12	•	•
	Liverpool Obs (Bidston)	63	39	57.6	43.9	50.4	+ 4.9	5	0.52	+0.17	•	•
	Llandudno	58	36	54.3	42.1	47.9	+ 1.6	6	0.89	+0.48	28	31
8. ENGLAND, S.W.	Holyhead	54	35	52.3	41.3	46.5	- 0.2	5	0.96	+0.54	•	•
	Pembroke	52	40	49.7	44.0	46.6	- 0.2	6	2.03	+1.53	33	36
	Arlington (N. Devon)	56	34	52.4	40.9	46.4	+ 0.7	6	1.61	?	•	•
	Cullompton	60	37	54.2	43.5	48.6	+ 2.3	6	1.50	?	13	14
	Falmouth	56	44	52.0	45.1	48.4	+ 1.0	7	1.54	+0.76	24	26
	Plymouth	57	40	53.4	44.6	48.8	+ 1.1	5	1.13	+0.53	15	16
9. IRELAND, N.	Prawle Point	53	39	50.4	43.1	46.4	- 0.4	5	0.76	?	•	•
	Londonderry	59	32	55.1	39.8	47.1	+ 2.4	6	1.01	+0.41	•	•
	Mullaghmore	55	35	52.9	41.4	46.9	+ 1.0	7	0.67	?	•	•
	Markree Castle	56	34	54.4	39.1	46.4	+ 1.3	5	0.43	?	29	32
	Brookeborough	57	33	52.8	39.4	45.8	+ 1.3	6	1.21	?	•	•
10. IRELAND, S.	Armagh	57	33	52.7	39.7	45.9	+ 0.8	4	1.59	+1.10	28	31
	Donaghadee	56	35	51.4	41.6	46.3	+ 0.5	5	0.70	+0.25	•	•
	Dublin	59	34	54.4	42.4	48.1	+ 1.8	4	1.31	+0.83	40	44
	Parsonstown	58	34	54.1	39.7	46.6	+ 1.3	4	0.84	+0.32	41	45
	Kilkenny (The Castle)	65	35	57.6	40.4	48.6	+ 3.6	5	0.98	?	•	•
CHANNEL ISLANDS	Waterford	57	33	53.5	41.1	47.0	+ 0.3	4	1.13	+0.44	•	•
	Roche's Point	57	39	54.0	43.6	48.6	+ 1.8	5	1.36	+0.51	•	•
	Valencia	55	37	53.0	43.3	47.9	+ 0.3	7	1.13	+0.20	51	56
	Foynes	58	39	55.6	40.4	47.6	+ 1.8	5	0.49	?	•	•
CHANNEL ISLANDS	Scilly (St. Mary's)	57	42	55.4	44.7	49.8	+ 1.4	5	1.04	+0.49	•	•
	Jersey (Noirmont)	57	45	53.1	46.1	49.4	+ 2.6	4	0.83	+0.32	16	18

Stations marked fr are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—Owing to the interruption in telegraphic communication the values for Sumburgh Head cannot yet be computed.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 15.]
New Series.

WEEK ENDING MONDAY, 14TH APRIL, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 60.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH *	57	35	48·9	38·4	43·4	1 above.	Day deg. 25	Day deg. 172	Day deg. 10	Day deg. 328
	1. SCOTLAND, EAST -	59	30	50·3	37·8	43·8	0 (average)	30	268	12	321
	2. ENGLAND, N.E. -	61	33	49·5	39·1	44·0	1 below.	26	275	8	231
	3. ENGLAND, EAST -	61	31	52·7	38·1	44·1	2 below.	31	372	11	245
	4. MIDLAND COUNTIES -	64	28	52·8	36·2	44·1	2 below.	39	383	16	250
	5. ENGLAND, SOUTH -	63	28	53·3	38·0	45·3	2 below.	40	434	11	130
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	60	32	53·4	38·2	45·5	0 (average).	40	284	10	197
	7. ENGLAND, N.W. -	60	28	52·5	38·0	44·8	2 below.	36	308	11	196
	8. ENGLAND, S.W. -	61	31	53·2	39·2	45·9	2 below.	39	420	8	77
	9. IRELAND, NORTH -	64	29	55·3	37·6	46·0	1 below.	46	331	12	209
	10. IRELAND, SOUTH -	66	31	55·8	39·7	47·4	0 (average).	47	467	6	100
	— CHANNEL ISLANDS -	56	41	52·8	44·0	48·2	1 below.	43	510	0	5
DISTRICTS. (See p. 60.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH *	3	10ths of In. 1	10ths of In. 4 less.	73	Ins. 12·8	43	254	44	22	
	1. SCOTLAND, EAST -	5	2	2 less.	61	7·0	29	246	30	23	
	2. ENGLAND, N.E. -	4	3	2 less.	54	7·4	33	216	35	19	
	3. ENGLAND, EAST -	4	2	2 less.	51	4·8	30	270	32	24	
	4. MIDLAND COUNTIES -	2	1	3 less.	55	8·2	33	233	35	20	
	5. ENGLAND, SOUTH -	1	1	4 less.	54	7·8	33	251	35	15	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	1	less than ½	5 less.	74	17·6	45	218	47	19	
	7. ENGLAND, N.W. -	3	1	3 less.	66	12·4	43	205	45	17	
	8. ENGLAND, S.W. -	1	less than ½	6 less.	69	13·4	50	244	53	20	
	9. IRELAND, NORTH -	0	—	5 less.	76	13·1	59	232	62	20	
	10. IRELAND, SOUTH -	1	1	6 less.	73	16·5	52	272	54	22	
	— CHANNEL ISLANDS -	2	less than ½	5 less.	66	10·2	65	386	69	33	

General Remarks.

Weather during the first part of this period was very fine and dry, but subsequently it became rather cloudy or dull generally, with a few slight showers of cold rain or hail.

Temperature has continued a little above the mean in "Scotland, N.", but elsewhere it has about equalled its normal value or been from 1° to 2° below it. The maxima, which were registered during the first few days of the week, varied from 56° in the "Channel Islands" and 57° in "Scotland, N.", to 64° in the "Midland Counties" and "Ireland, N." and 66° in "Ireland, S." On the 13th and 14th the thermometer in many parts of Great Britain did not reach 50°. The minima, which were recorded on different dates in the various districts, ranged from 28° over central, southern, and north-western England, to 35° in "Scotland, N." and 41° in the "Channel Islands".

Rainfall has been less than the mean in all districts.

Bright sunshine percentages show a considerable increase in nearly all places, ranging from 30 in "Scotland, E." to 53 in "England, S.W.", 54 in "Ireland, S.", 62 in "Ireland, N.", and to 69 in the "Channel Islands".

Depressions observed.—During the earlier days of this period pressure was highest over Scandinavia and relatively low in the south and south-west. As the week progressed, however, the area of high pressure was transferred to the north-westward of our Islands, while over Scandinavia a large shallow depression was formed. No depressions of importance appeared over the United Kingdom, although several local irregularities of pressure were shown. The wind, which at first was very light and variable, afterwards became moderate from between North and North-East or East.

* The accumulated values "Since Jan. 1st" for this district have been altered a little in consequence of the receipt of some arrears of observations.

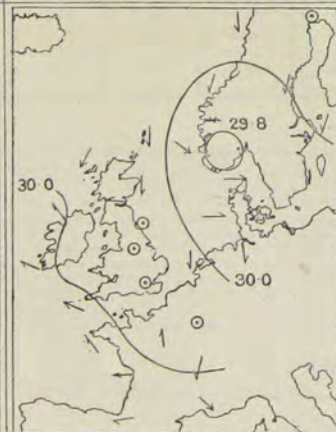
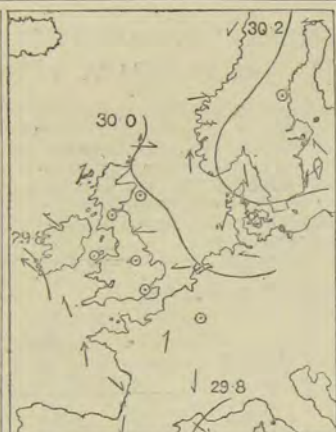
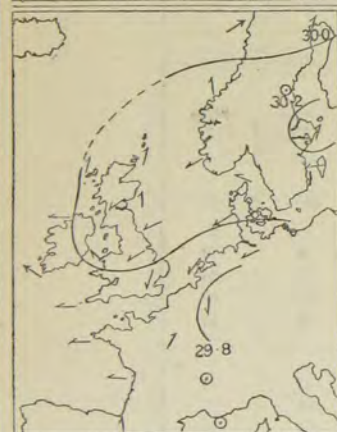
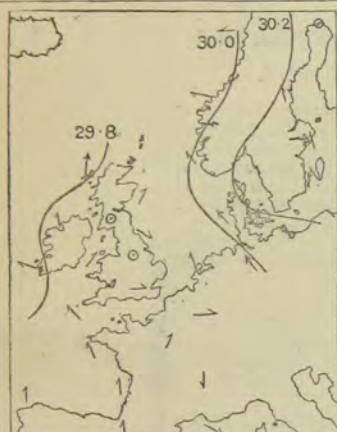
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, April 8.

Weather fair in most places, but foggy or misty at some of the southern stations. A little rain falling later on our south-west and north-east coasts.

Temperature risen several degrees in Scotland and the north-east of England, but fallen elsewhere; readings ranging from 53° at Scilly to 36° at Parsonstown. Highest maxima 61° at Loughborough, 61° at York, and 60° at Oxford.

Wind strong South-Easterly on the eastern shores of the North Sea, and moderate from the same quarter on our south-west coasts, but light from North-West in the east of England, and from South in Scotland. Subsequently shifting to North-East on our east coasts.

Sea moderate to smooth.

Barometer rising generally. Readings highest over northern Europe, with areas of relatively low pressure off our eastern, north-western, and south-western coasts. The first of these filling up later, and barometer continuing to rise in nearly all places.

Wednesday, April 9.

Weather foggy in Scotland and rainy at some of our western stations, but fair and bright elsewhere. Fog clearing away in north later.

Temperature changed irregularly; readings ranging from 52° at Valencia to 40° at Nairn.

Wind South-Westerly in the north of Scandinavia, and South-Easterly on our western and northern coasts, but Easterly or North-Easterly elsewhere; light or moderate in force generally.

Sea rather rough off our south-west coasts; moderate to smooth elsewhere.

Barometer falling in Denmark, the south of Sweden, and east of France, but rising over our Islands. Area of high pressure lying over Scandinavia, with relatively low readings off our south-west coasts and also over North Germany. Slight fall taking place in our Islands later.

Thursday, April 10.

Weather showery on our south-east coasts and also over the Netherlands, foggy in Scotland; generally fine elsewhere. Sky clearing in Scotland later, and weather improving in the south-east of England.

Temperature fallen generally; readings ranging from 53° at Valencia to 37° at Nairn.

Wind fresh South-Easterly in the south of Ireland and light Southerly in Scotland, but moderate from East or North-East elsewhere. Shifting to North-West in France later.

Sea rough at Valencia and rather so off the east of England; slight or smooth elsewhere.

Barometer falling in Scandinavia and Denmark, but little changed in our Islands and France. Distribution of pressure similar to that of previous day, highest readings being over Scandinavia and lowest off our south-west coasts and also over the Netherlands.

Friday, April 11.

Weather fine on our west and north-west coasts; cloudy or overcast elsewhere, with fog in the south of Scotland and rain at Christiansund. A little rain falling later at some of the northern stations.

Temperature changed little and irregularly; readings ranging from 50° at Scilly to 39° at Oxford. Maxima below 50° at most of our northern, eastern, and central stations.

Wind light Northerly or North-Easterly in the north and east, but fresh South-Easterly in the west and light Variable over some parts of the central districts.

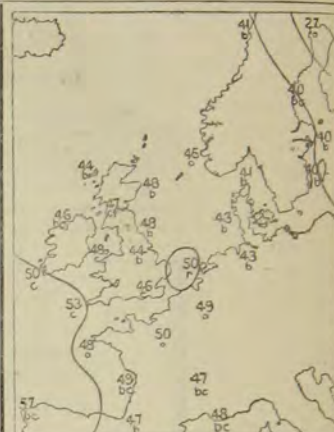
Sea rather rough at Spurn Head and Scilly; moderate to smooth elsewhere.

Barometer rising a little in our Islands and France, but falling in Scandinavia. Large area of relatively high but very uniform readings lying over our Islands, and similar area of low readings over Norway and Sweden. Definite area of high pressure appearing off our north-west coasts later.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



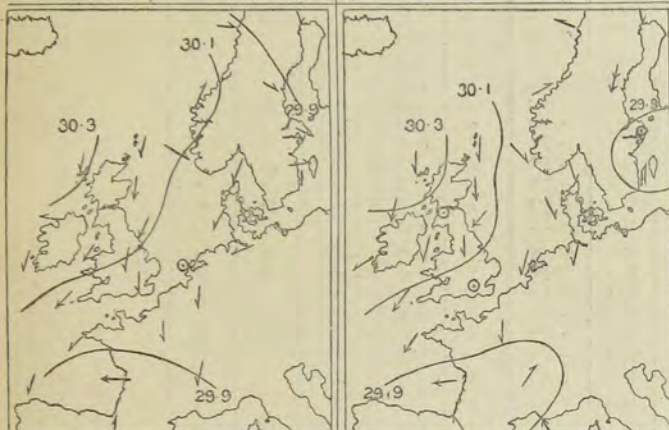
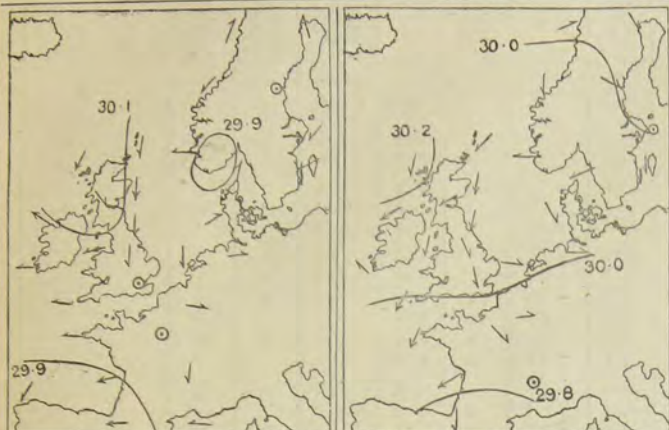
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, April 12.

Weather fine over the northern parts of England and Ireland as well as at most of the continental stations, cloudy or overcast elsewhere, with showers in Scotland and rain at Roche's Point. Cold rain falling later in the south-east of England.

Temperature changed little and irregularly; readings ranging from 51° at Scilly to 39° at Loughborough. Maxima below 50° at most of the northern and central stations.

Wind fresh Easterly in the western parts of our Islands and France, but Northerly on our north and east coasts, and light. Variable in the south-east. North-Easterly or Northerly breezes becoming general later.

Sea rough at Scilly, moderate to smooth elsewhere.

Barometer rising at all but the French stations. Pressure highest off our north-west coasts, with a depression over south of Norway and another over the Peninsula. No important change later.

Sunday, April 13.

Weather fair in most places, but cloudy and showery at some of our eastern and northern stations.

Temperature fallen a little; readings ranging from 48° at Ardrossan, Valencia, Scilly, and Dover, to 38° at Parsonstown. Maxima below 50° in many parts of Great Britain.

Wind North-Westerly in Scandinavia, but Northerly or North-Easterly elsewhere, fresh or strong in force on the more exposed parts of our coasts.

Sea rather rough at Holyhead and Scilly, moderate to smooth elsewhere.

Barometer rising a little in our Islands but falling at most of the continental stations. Highest pressure still lying off our north-west coasts, with areas of relatively low readings over the north of Sweden and south-west of France. No important change later.

Monday, April 14.

Weather fair on the whole but cloudy in many places, with rain at Nairn and showers at Spurn Head and Dover. Cold showers falling later at many of the eastern and northern stations.

Temperature little changed; readings ranging from 46° at Parsonstown to 42° at Loughborough, Oxford, and in London. Maxima again below 50° in many parts of Great Britain.

Wind Northerly or North-Easterly; fresh in force on many parts of our coasts and strong in the Bay of Biscay.

Sea rather rough at Shields and Holyhead, moderate to smooth elsewhere.

Barometer rising a little in our Islands and more decidedly in the north of Sweden, but falling over France, the Netherlands, and Denmark. Pressure still highest off our north-west coasts, with areas of low readings over the Baltic and south of France. Slight fall taking place in our Islands later.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 57 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	50	35	47.1	38.3	42.5	+ 0.5	3	Inches. 0.11	Inches. -0.47	*	*
	Stornoway	57	35	50.1	38.6	44.1	+ 0.8	12	0.08	-0.62	43	44
	Wick	56	36	49.4	38.4	43.6	+ 1.0	5	0.21	-0.18	*	*
1. SCOTLAND, E.	Nairn	57	34	50.3	38.3	44.1	+ 0.4	5	0.24	-0.06	*	*
	Aberdeen	56	30	49.4	36.7	42.8	- 0.2	6	0.25	-0.29	29	30
	Leith	53	35	51.3	38.3	44.5	- 0.7	4	0.08	-0.32	*	*
2. ENGLAND, N.E.	Alnwick Castle	53	33	47.1	38.0	42.3	- 1.7	5	0.45	?	*	*
	Shields	55	35	48.3	38.6	43.2	- 1.5	5	0.45	+0.02	*	*
	Durham	57	34	52.5	35.9	43.8	- 0.4	4	0.33	-0.21	21	22
	Scarborough	50	39	47.8	41.9	44.7	0.0	4	0.29	-0.13	*	*
	York	61	35	53.4	38.6	45.6	- 0.4	4	0.15	-0.27	45	47
	Spurn Head	50	40	47.6	41.6	44.5	- 0.9	3	0.12	?	*	*
3. ENGLAND, E.	Hillington	56	33	51.4	38.3	44.6	- 0.9	5	0.40	-0.02	30	32
	Yarmouth	50	37	48.1	40.9	44.2	- 1.7	4	0.14	-0.28	*	*
	Geldeston	53	34	49.2	38.5	43.6	- 3.3	4	0.17	-0.18	31	33
	Cambridge	59	32	52.7	37.1	44.5	- 2.6	2	0.14	-0.25	28	30
	Rothamsted	61	31	52.0	35.6	43.4	- 3.3	4	0.14	-0.36	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	60	32	54.0	36.7	44.9	- 1.1	3	0.36	-0.04	*	*
	Loughborough	64	32	54.0	37.3	45.2	- 1.4	3	0.23	-0.16	*	*
	Leicester	63	33	53.5	38.8	45.8	- 0.4	3	0.24	-0.20	26	27
	Birmingham (Oscott)	63	32	51.9	35.6	43.4	- 2.5	2	0.05	-0.41	*	*
	Cheadle	60	32	51.9	35.5	43.3	- 2.5	2	0.07	?	*	*
	Churchstoke	61	28	52.1	34.6	43.0	- 2.6	1	0.03	?	43	45
	Hereford	62	29	53.8	36.3	44.6	- 2.6	2	0.06	-0.34	*	*
	Cirencester	59	29	51.3	34.3	42.4	- 4.2	1	0.05	-0.50	33	35
	Oxford	60	33	52.9	37.0	44.5	- 3.1	1	0.11	-0.31	31	33
5. ENGLAND, S.	London†	59	33	52.9	39.1	45.7	- 2.7	3	0.07	-0.36	26	28
	Marlborough	60	30	52.8	35.2	43.6	- 2.5	1	0.07	-0.48	34	36
	Strathfield Turgiss	61	28	55.9	35.3	45.1	- 2.0	0	—	-0.45	*	*
	Dover	55	40	50.3	42.7	46.3	- 2.0	3	0.16	-0.28	*	*
	Hastings (St. Leonard's)	57	36	53.9	39.9	46.6	- 1.1	0	—	-0.48	37	39
	Southampton	63	33	55.5	37.0	45.8	- 2.0	1	0.03	-0.47	33	35
	Hurst Castle	55	34	52.0	36.9	44.1	- 4.1	1	0.02	-0.44	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	60	36	54.6	39.4	47.0	+ 2.2	0	—	?	*	*
	Glasgow	56	35	52.8	37.6	44.8	- 0.2	1	0.04	-0.52	34	35
	Ardrossan	57	35	54.6	37.7	45.7	+ 0.7	1	0.01	-0.55	*	*
	Silloth (Cumberland)	60	32	53.0	38.3	45.1	- 1.2	3	0.08	-0.34	43	45
	Douglas (Isle of Man)	57	33	52.2	38.4	45.0	- 1.5	1	0.07	-0.43	59	62
7. ENGLAND, N.W.	Newton Reigny (Penrith)	59	28	51.7	35.9	42.4	- 2.3	3	0.33	?	41	43
	Barrow-in-Furness	60	37	54.7	40.3	47.2	+ 0.1	2	0.10	?	*	*
	Stonyhurst	60	30	53.5	36.3	44.5	- 1.4	4	0.07	-0.53	38	40
	Blackpool	59	31	52.7	36.4	44.2	- 2.9	4	0.15	-0.18	44	46
	Manchester	58	32	52.5	36.5	44.2	- 1.1	3	0.09	-0.38	*	*
	Liverpool Obs (Bidston)	59	37	52.1	39.9	44.7	- 2.0	4	0.16	-0.17	*	*
	Llandudno	57	37	51.7	40.3	45.7	- 2.2	1	0.03	-0.37	47	49
	Holyhead	56	37	51.0	40.3	45.4	- 2.4	0	—	-0.40	*	*
8. ENGLAND, S.W.	Pembroke	54	38	51.4	41.4	46.2	- 2.1	0	—	-0.48	62	66
	Arlington (N. Devon)	57	33	53.3	36.3	44.4	- 2.9	1	0.02	?	*	*
	Cullompton	59	31	54.1	34.3	45.7	- 4.2	2	0.12	?	40	43
	Falmouth	56	40	51.8	45.6	47.5	- 0.8	1	0.01	-0.77	48	51
	Plymouth	61	36	55.7	39.2	47.1	- 1.7	1	0.03	-0.57	49	52
	Prawle Point	57	37	53.1	40.3	46.4	- 1.4	1	0.01	?	*	*
9. IRELAND, N.	Londonderry	64	34	57.2	37.1	46.6	+ 0.4	0	—	-0.60	*	*
	Mullaghmore	59	35	55.9	42.0	48.6	+ 1.4	1	0.01	?	*	*
	Markree Castle	60	29	50.3	34.8	45.0	- 1.4	0	—	?	51	54
	Brookeborough	62	29	57.0	34.3	45.3	- 0.8	0	—	?	*	*
	Armagh	58	34	54.3	36.8	45.1	- 1.2	0	\$0.01	-0.50	66	69
	Donaghadee	54	33	51.1	40.3	45.4	- 1.4	0	—	-0.46	*	*
10. IRELAND, S.	Dublin	56	35	52.6	39.1	45.5	- 2.1	0	—	-0.51	69	71
	Parsonstown	60	31	56.7	35.0	45.3	- 1.6	0	—	-0.50	57	60
	Kilkenny (The Castle)	66	35	60.6	39.4	49.5	+ 3.0	1	0.06	?	*	*
	Waterford	59	34	55.1	38.9	46.6	- 1.2	1	0.11	-0.56	*	*
	Roche's Point	57	37	54.7	42.9	48.5	+ 0.7	3	0.32	-0.52	*	*
	Valencia	58	38	54.4	44.7	49.3	+ 0.8	3	0.30	-0.63	29	31
	Foynes	60	35	56.5	38.1	46.9	+ 0.1	1	0.07	?	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	43	52.1	45.1	48.4	- 0.7	3	0.06	-0.50	*	*
	Jersey (Noirmont)	56	41	53.4	42.9	47.9	- 0.4	1	0.01	-0.48	65	69

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Banhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

§ Dew.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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New Series.

WEEK ENDING MONDAY, 21ST APRIL, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 64.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	52	32	47.0	37.4	41.9	2 below.	Day deg. 14	Day deg. 186	Day deg. 18	Day deg. 346
	1. SCOTLAND, EAST	53	30	48.5	37.8	42.9	2 below.	24	292	12	333
	2. ENGLAND, N.E.	52	30	46.4	36.8	41.3	5 below.	12	287	19	250
	3. ENGLAND, EAST	52	24	46.6	34.5	40.2	8 below.	13	385	27	272
	4. MIDLAND COUNTIES	53	28	47.0	34.7	40.6	7 below.	14	397	27	277
	5. ENGLAND, SOUTH	53	25	47.6	35.9	41.5	8 below.	16	450	24	153
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	58	32	50.2	38.3	44.0	3 below.	30	314	10	207
	7. ENGLAND, N.W.	53	28	48.1	35.6	41.6	6 below.	17	325	25	221
	8. ENGLAND, S.W.	52	29	48.2	37.5	42.6	7 below.	23	443	13	90
	9. IRELAND, NORTH	55	28	50.8	38.1	44.2	4 below.	32	363	11	220
	10. IRELAND, SOUTH	60	28	51.6	38.7	44.9	3 below.	34	501	9	109
	— CHANNEL ISLANDS	52	38	48.0	40.9	44.3	6 below.	21	531	3	8

DISTRICTS. (See p. 64.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	10ths of In. 2	10ths of In. 4 less.	78	Ins. 13.0	23	277	23	22
	1. SCOTLAND, EAST	3	1	3 less.	64	7.1	15	261	15	23
	2. ENGLAND, N.E.	4	2	2 less.	58	7.6	21	237	21	19
	3. ENGLAND, EAST	3	1	3 less.	54	4.9	27	297	28	24
	4. MIDLAND COUNTIES	2	1	4 less.	57	8.3	12	245	12	20
	5. ENGLAND, SOUTH	2	1	4 less.	56	7.9	18	269	18	18
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	1	less than ½	5 less.	75	17.6	23	241	23	19
	7. ENGLAND, N.W.	1	0	4 less.	67	12.4	26	231	27	18
	8. ENGLAND, S.W.	1	1	6 less.	70	13.5	25	269	26	21
	9. IRELAND, NORTH	2	1	5 less.	78	13.2	18	250	18	20
	10. IRELAND, SOUTH	2	1	6 less.	75	16.6	22	294	23	22
	— CHANNEL ISLANDS	4	2	3 less.	70	10.4	21	407	22	32

General Remarks.

Weather has been cloudy, dull, and very cold in all parts of the Kingdom, but with some decided intervals of bright sunshine; a few slight showers of rain, hail, or sleet have fallen locally.

Temperature has been below the mean in all districts, the deficit ranging from 2° or 3° in Scotland to 6° in "England, N.W." and the "Channel Islands", 7° in the "Midland Counties" and "England, S.W." and 8° in "England, E." and "England, S." The maxima were recorded on different days in the various districts, and were generally low, as at several stations in Great Britain the thermometer did not reach 50° during the whole week, while at scarcely any station did it exceed 53°. In "Scotland, W.", however, the maximum was 58° and in "Ireland, S." 60°. The minima (which were registered on the 18th, 19th, or 21st) were as low as 24° in "England, E.", 25° in "England, S.", and between 28° and 32° in most other districts. On the grass readings were, of course, much lower.

Rainfall has been considerably less than the mean in all places.

Bright sunshine shows a decided decrease in all districts, the percentages of possible duration ranging from 12 in the "Midland Counties" and 15 in "Scotland, E.", to 27 in "England, N.W."

Depressions observed.—Pressure has continued highest over the northern and north-eastern parts of our area and lowest over France and our southern coasts, but there have been no depressions of importance in our immediate neighbourhood. The wind, which has been generally light or moderate in force, has varied between North and East, but at the close of the period a light Southerly breeze had set in at our north-western stations.

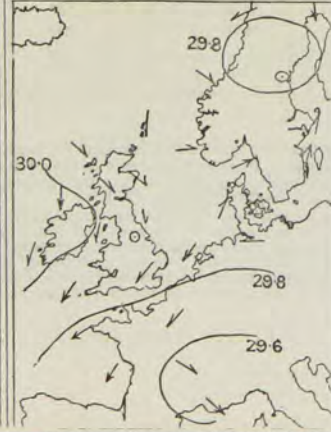
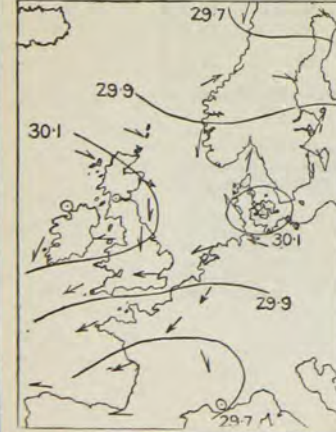
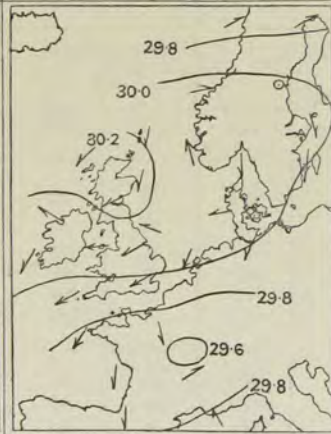
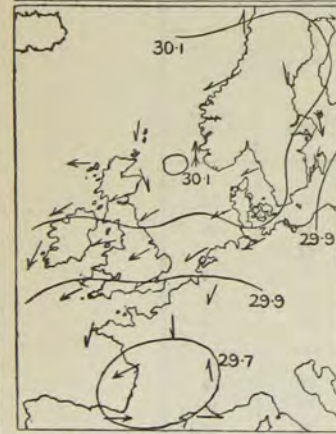
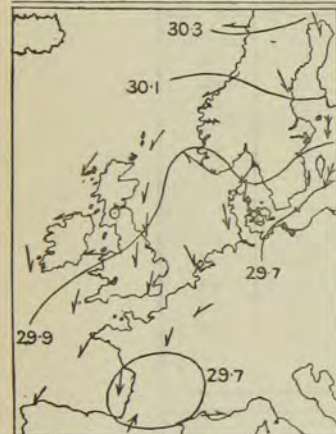
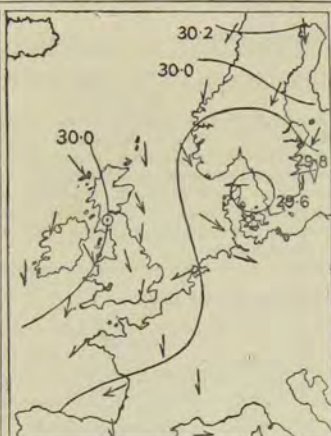
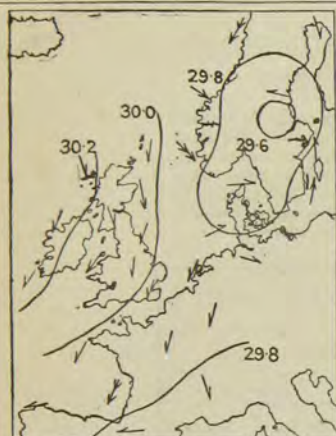
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, April 15.

Weather cloudy or overcast generally, with occasional showers of cold rain in many parts of Great Britain. Slight rain falling later in many districts, and lightning seen at Mullaghmore in evening.

Temperature risen slightly; readings ranging from 47° at Aberdeen and Ardrossan to 42° in the Shetlands. Maxima below 50° in several parts of Great Britain.

Wind Northerly or North-Westerly on our northern, but North-Easterly on our southern coasts; moderate or fresh in force generally.

Sea rather rough off the north-east of England as well as at Scilly, moderate to smooth elsewhere.

Barometer falling a little excepting in the south of France. Area of high pressure off our western coasts, with large depression over Scandinavia, and relatively low readings over the south of France. Depression subsequently moving south-eastwards, and brisk rise of barometer taking place in north of Norway; fall continuing elsewhere.

Wednesday, April 16.

Weather fine in the north of Scandinavia, but cloudy or overcast elsewhere, with showers in the west of Ireland as well as at Dover. Showers falling later at many of our eastern stations.

Temperature fallen a little; readings ranging from 49° at Scilly to 40° in the Shetlands and 39° at Loughborough. Maxima below 50° in most parts of Great Britain.

Wind North-Easterly or Northerly; strong in force in Scandinavia and Denmark, but light or moderate elsewhere.

Sea slight or smooth on most parts of our coasts.

Barometer falling at all but the Scandinavian stations, where brisk rise in progress. Pressure now highest in north of Norway, but still lowest in France. No important change during day.

Thursday, April 17.

Weather fine in the north of Sweden and also at some of our north-western stations, but cloudy or overcast elsewhere, with snow at Skudesnaes. Showers of hail and sleet falling later in south-east of England.

Temperature changed little and irregularly; readings ranging from 46° at Scilly and Prawle Point to 38° at Sumburgh Head. Maxima below 45° in many parts of Great Britain.

Wind fresh or strong from the Eastward or North-Eastward with a slight gale on the east coast of England. Wind subsequently rising to fresh gale on our south-east coasts.

Sea rough off the east and south-east of England, as well as at Valencia; moderate to smooth elsewhere.

Barometer rising at all but the French stations, where slight fall reported. Anticyclone, with readings above 30.2 ins., lying over the north of Scotland; depression, with readings below 29.7 ins., over the south of France. No important change during day.

Friday, April 18.

Weather fine in Sweden and fair in most parts of our Islands, but cloudy or overcast elsewhere, with snow in Paris and also at Skagen. A little rain in Scotland during day.

Temperature risen slightly in the extreme north, but fallen elsewhere; readings ranging from 44° at Donaghadee to 37° at York, Liverpool, and Prawle Point, and 34° at Parsonstown. Maxima below 45° at many of our eastern stations.

Wind Westerly or South-Westerly in Scandinavia and North-Westerly in Scotland, but Easterly or North-Easterly elsewhere, and still strong in force in the south and south-east of England.

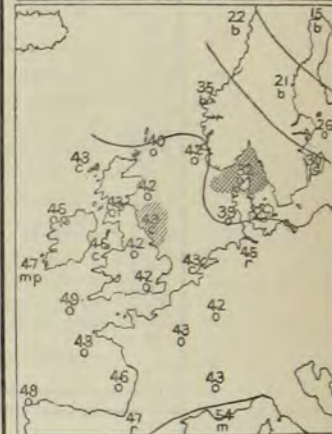
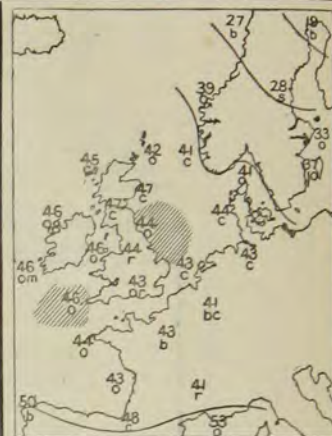
Sea rough on our eastern and southern coasts; slight or smooth in the west and north.

Barometer rising a little in England, Ireland, and the north of France, but falling elsewhere. Anticyclone now covering the greater part of Scotland, Ireland, and the north of England, with relatively low pressures over the north of Sweden and south of France. General fall of barometer taking place during day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



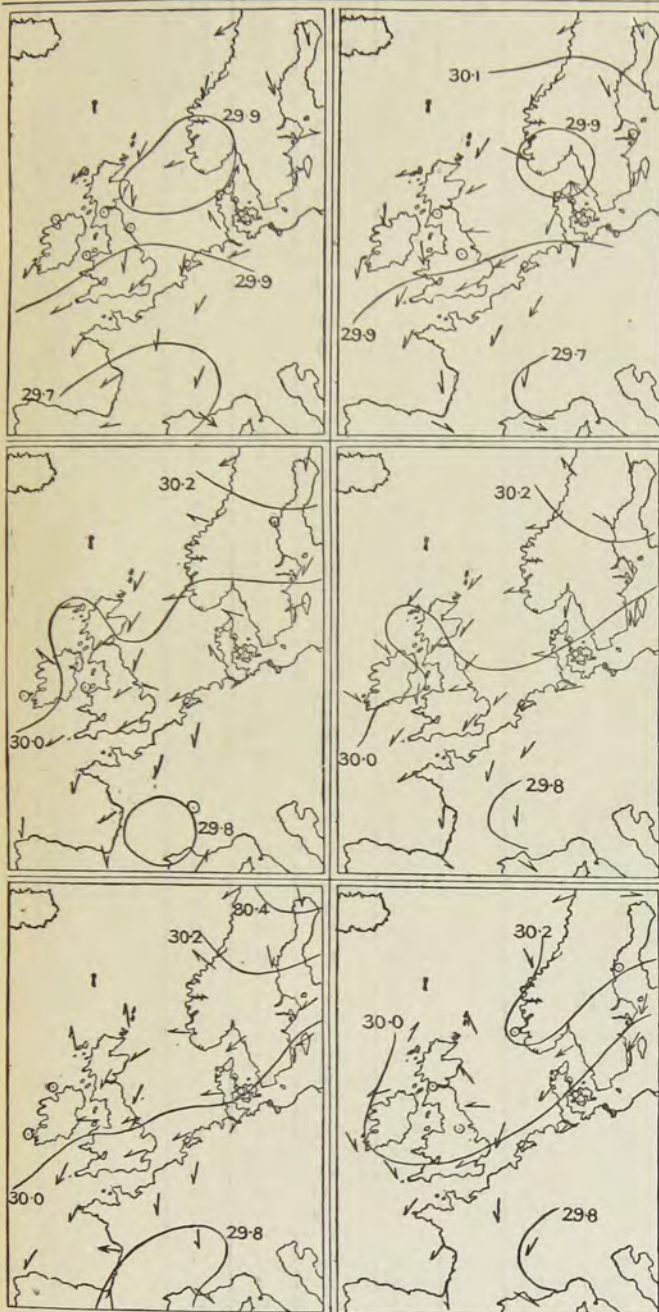
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, April 19.

Weather cloudy or overcast at most stations, with snow at Hernösand and rain at Skudesnaes. Sky clearing later in many parts of our Islands.

Temperature risen slightly; readings ranging from 46° at Wick and Ardrossan to 37° at Hurst Castle. Maxima below 50° in most parts of Great Britain, and as low as 43° at Dover and Yarmouth.

Wind light and somewhat variable on our north and north-west coast, but moderate or fresh from the Eastward or North-Eastward elsewhere. North-Easterly breezes appearing on our northern coasts later.

Sea rather rough in the Channel.

Barometer rising a little in the north of Scandinavia and south of France, but falling over our Islands. Readings highest in the north of Norway and lowest in the south of France, but shallow area of low pressure lying over the northern part of the German Ocean. Slight rise taking place at most stations later.

Sunday, April 20.

Weather fine in most parts of England, but cloudy or overcast elsewhere. Slight rain falling later at several of our north-eastern and south-western stations.

Temperature changed rather irregularly; readings ranging from 47° at Holyhead and Scilly to 35° at Oxford. Maxima below 50° in most parts of Great Britain.

Wind light or moderate from the Eastward or North-Eastward generally.

Sea slight or smooth.

Barometer rising generally. Pressure highest north of Sweden, with shallow depression south of France. No important change later.

Monday, April 21.

Weather fair at most places but showery at Mullaghmore and Dover. Showers of hail and sleet falling later at several of the eastern and south-eastern stations.

Temperature changed very irregularly; readings ranging from 47° at Valencia and Prawle Point to 40° at Nairn and Yarmouth. Maxima below 50° at many of our eastern and northern stations.

Wind South-Easterly in the north and north-west, but Easterly or North-Easterly elsewhere.

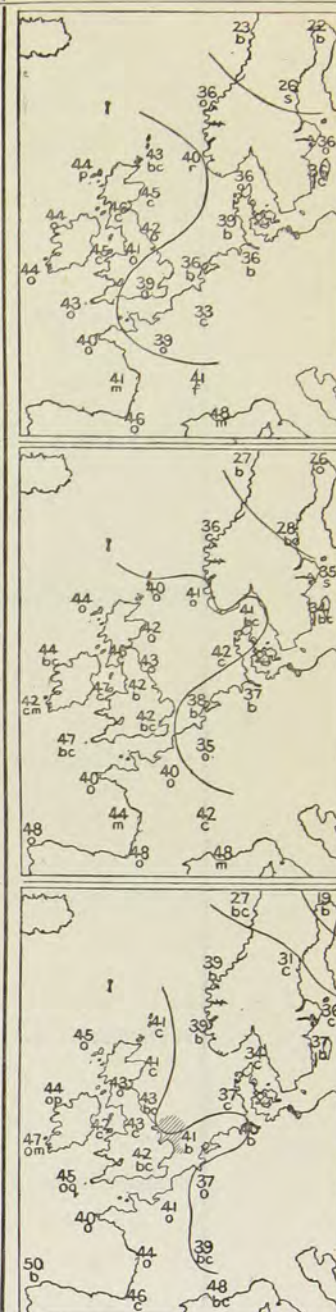
Sea rather rough at Yarmouth, slight or smooth on other parts of our coasts.

Barometer rising a little in most places. Distribution of pressure similar to that of previous day. Slight fall taking place on our west and north-west coasts later.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 61 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	47	35	45.0	36.7	40.6	-2.6	5	0.24	-0.31	*	*
	Stornoway	52	37	48.3	39.1	43.4	-1.0	3	0.16	-0.44	23	23
	Wick	52	32	47.6	36.3	41.7	-2.1	1	0.07	-0.32	*	*
1. SCOTLAND, E.	Nairn	52	30	48.4	37.3	42.6	-2.3	3	0.16	-0.14	*	*
	Aberdeen	48	34	46.7	37.7	42.0	-2.5	6	0.16	-0.39	15	15
	Leith	53	31	50.4	38.4	44.1	-1.3	1	0.02	-0.38	*	*
2. ENGLAND, N.E.	Alnwick Castle	46	33	44.3	36.1	40.0	-5.3	7	0.38	?	*	*
	Shields	48	35	46.0	36.7	41.1	-4.7	3	0.15	-0.30	*	*
	Durham											
	Scarborough	49	35	46.2	37.8	41.8	-4.5	3	0.19	-0.24	*	*
	York	52	30	49.4	35.1	41.9	-5.5	4	0.07	-0.35	21	21
3. ENGLAND, E.	Spurn Head	48	36	46.0	38.3	41.9	-4.9	4	0.09	?	*	*
	Hillington	51	26	48.6	33.0	40.4	-7.5	4	0.11	-0.34	37	38
	Yarmouth	49	36	45.3	38.6	41.8	-6.6	3	0.08	-0.34	*	*
	Geldeston	52	35	45.8	38.7	41.0	-7.3	5	0.16	-0.19	26	27
	Cambridge	52	24	47.9	32.1	39.6	-9.5	2	0.05	-0.35	19	20
4. MIDLAND COUNTIES	Rothamsted	48	27	45.4	31.9	38.3	-9.8	3	0.10	-0.43	*	*
	Bawtry (Hesley Hall)	52	29	49.1	35.1	41.8	-6.2	4	0.14	-0.26	*	*
	Loughborough	50	31	46.7	35.1	40.6	-7.5	3	0.08	-0.32	*	*
	Leicester	51	33	48.2	35.9	41.8	-6.2	4	0.13	-0.29	12	12
	Birmingham (Oscott)	49	32	45.9	34.4	39.9	-7.5	2	0.03	-0.45	*	*
	Cheadle	49	29	46.1	33.4	39.5	-6.7	1	0.01	?	*	*
	Churchstoke	50	28	46.0	33.4	39.4	-8.7	2	0.07	?	14	14
	Hereford	53	33	48.6	36.0	42.0	-6.7	0	—	-0.40	*	*
	Cirencester	49	28	45.7	33.3	39.2	-8.8	2	0.05	-0.51	12	12
	Oxford	51	29	47.0	35.4	40.9	-7.8	2	0.05	-0.38	11	11
5. ENGLAND, S.	London†	50	32	46.9	37.3	41.9	-7.9	2	0.04	-0.41	13	13
	Marlborough	47	25	45.4	32.8	38.8	-10.3	2	0.03	-0.53	12	12
	Strathfield Turgiss	51	25	48.7	33.0	40.5	-7.6	0	—	-0.45	*	*
	Dover	49	36	45.6	39.1	42.2	-7.6	5	0.35	-0.09	*	*
	Hastings (St. Leonard's)	53	35	49.1	37.3	42.9	-6.4	5	0.14	-0.34	24	25
	Southampton	52	30	49.3	35.0	41.8	-7.5	0	—	-0.52	22	23
	Hurst Castle	50	32	48.3	36.9	42.3	-7.0	1	0.02	-0.44	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	53	33	50.5	38.9	44.5	-1.4	0	—	?	*	*
	Glasgow	58	38	50.5	39.6	44.8	-1.1	1	0.02	-0.55	17	17
	Ardrossan	55	37	51.0	39.4	44.9	-0.9	1	0.01	-0.56	*	*
	Silloth (Cumberland)	53	32	50.2	35.4	42.4	-5.1	2	0.08	-0.33	24	24
	Douglas (Isle of Man)	52	33	49.0	38.1	43.3	-4.0	2	0.04	-0.42	29	29
7. ENGLAND, N.W.	Newton Reigny (Penrith)	50	28	46.4	32.0	38.9	-6.8	2	0.09	?	23	23
	Barrow-in-Furness	53	33	50.1	37.6	43.6	-4.7	2	0.03	?	*	*
	Stonyhurst	50	30	48.8	33.9	41.0	-6.1	1	0.05	-0.51	28	28
	Blackpool	51	28	48.6	33.4	40.6	-7.7	3	0.05	-0.27	16	16
	Manchester	50	28	47.0	33.2	39.8	-6.9	0	—	-0.44	*	*
	Liverpool Obs (Bidston)	51	31	48.3	38.0	42.9	-4.8	1	0.01	-0.33	*	*
	Llandudno	51	31	47.5	38.1	42.6	-6.6	0	—	-0.40	38	39
	Holyhead	51	33	48.4	38.3	43.2	-5.6	0	—	-0.40	*	*
8. ENGLAND, S.W.	Pembroke	50	34	48.3	39.9	43.9	-5.4	2	0.05	-0.41	25	26
	Arlington (N. Devon)	49	32	46.0	35.0	40.2	-8.0	2	0.12	?	*	*
	Cullompton	50	29	47.7	35.0	41.1	-8.1	0	—	?	23	24
	Plymouth	50	36	47.8	40.3	43.9	-5.4	1	0.01	-0.76	24	25
	Falmouth	52	31	50.1	37.9	43.7	-6.4	1	0.10	-0.50	26	27
	Prawle Point	52	32	49.4	37.1	43.0	-5.8	1	0.01	?	*	*
9. IRELAND, N.	Londonderry	55	34	52.3	38.5	45.1	-2.1	5	0.13	-0.47	*	*
	Mullaghmore	54	40	51.1	42.4	46.5	-1.5	1	0.04	?	*	*
	Markree Castle	54	28	51.7	34.1	42.5	-5.3	2	0.09	?	25	25
	Brookeborough	51	32	50.2	36.1	42.8	-4.7	1	0.03	?	*	*
	Armagh	52	34	50.0	37.6	43.6	-3.9	2	0.15	-0.36	11	11
	Donaghadee	51	36	49.3	40.1	44.5	-3.3	0	—	-0.47	*	*
10. IRELAND, S.	Dublin	54	40	50.7	41.6	46.0	-2.6	3	0.08	-0.43	27	28
	Parsonstown	53	28	50.9	36.6	43.4	-3.6	2	0.08	-0.42	20	20
	Kilkenny (The Castle)	60	33	53.1	37.4	44.9	-3.2	0	—	?	*	*
	Waterford	56	33	51.4	39.3	45.1	-2.7	3	0.12	-0.53	*	*
	Roche's Point	54	37	50.7	39.4	44.8	-4.0	2	0.04	-0.78	*	*
	Valencia	53	54	52.0	40.9	46.2	-3.4	3	0.09	-0.82	20	21
	Foynes	55	32	52.2	35.6	43.6	-4.3	1	0.03	?	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	52	38	49.4	41.7	45.4	-4.6	4	0.28	-0.28	*	*
	Jersey (Noirmont)	49	39	46.6	40.1	43.2	-6.4	3	0.11	-0.37	21	22

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1868-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 17.]
New Series.

WEEK ENDING MONDAY, 28TH APRIL, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 68.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	53	39	48.4	36.3	42.1	3 below.	Day deg. 25	Day deg. 211	Day deg. 16	Day deg. 362
	1. SCOTLAND, EAST	56	28	49.7	33.2	41.0	5 below.	22	314	33	366
	2. ENGLAND, N.E.	57	27	46.9	35.6	41.0	6 below.	14	301	24	274
	3. ENGLAND, EAST	55	25	49.4	32.9	40.7	9 below.	21	406	54	306
	4. MIDLAND COUNTIES	56	22	50.6	32.9	41.3	8 below.	24	421	35	312
	5. ENGLAND, SOUTH	54	23	50.0	34.5	41.9	8 below.	22	472	29	182
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	53	31	49.0	36.8	42.6	5 below.	26	340	15	222
	7. ENGLAND, N.W.*	54	27	49.1	35.5	41.9	7 below.	20	345	25	246
	8. ENGLAND, S.W.	56	25	50.0	36.5	42.9	7 below.	29	472	15	105
	9. IRELAND, NORTH†	56	31	52.6	38.6	45.3	3 below.	37	490	10	231
	10. IRELAND, SOUTH	62	29	53.3	37.5	45.1	4 below.	42	543	13	122
	— CHANNEL ISLANDS.	53	39	50.4	41.5	45.8	5 below.	29	560	1	9
DISTRICTS. (See p. 68.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	1	10ths of In. less than ½	10ths of In. 5 less.	79	13.0	18	295	17	22	
	1. SCOTLAND, EAST	2	1	3 less.	66	7.2	68	329	65	28	
	2. ENGLAND, N.E.	4	4	1 less.	62	8.0	25	262	25	19	
	3. ENGLAND, EAST	4	5	1 more.	58	5.4	33	330	33	25	
	4. MIDLAND COUNTIES	3	3	2 less.	60	8.6	33	278	33	21	
	5. ENGLAND, SOUTH	3	6	1 more.	59	8.5	28	297	28	16	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	2	1	3 less.	77	17.7	24	265	23	19	
	7. ENGLAND, N.W.*	2	1	3 less.	69	12.5	28	259	28	18	
	8. ENGLAND, S.W.	3	5	1 less.	73	14.0	49	318	50	22	
	9. IRELAND, NORTH	2	3	2 less.	80	13.5	34	284	33	21	
	10. IRELAND, SOUTH	3	4	2 less.	78	17.0	38	332	38	23	
	— CHANNEL ISLANDS.	3	6	1 more.	73	11.0	55	462	56	34	

General Remarks.

Weather has continued very cold in all parts of the Kingdom; in most places, however, the sky has been less cloudy than during last week, although the amount of rain has been rather more.

Temperature has again been below the mean in all districts, the deficit ranging from 3° in "Scotland, N." and "Ireland, N." to as much as 8° or 9° over central, southern, and eastern England. The maxima, which were mostly registered on the 27th or 28th, varied from 53° in the "Channel Islands", "Scotland, N.", and "Scotland, W.", to 57° in "England, N.E." and 62° in "Ireland, S." On several occasions the daily maxima were very low, not exceeding 46° or 47° in many parts of the country. On the 23rd considerable local differences were observed in the maximum readings over England, at York the thermometer did not exceed 41°, and at Alnwick it only rose to 42°, but over the "Midland Counties" the maxima were between 56° and 54°. The minima, which were recorded during the earlier days of the week, were very low. In the "Midland Counties" the sheltered thermometer fell to 23°, in "England, S." to 23°, in "England, E." and "England, S.W." to 25°, and in most other districts to between 27° and 31°. In the "Channel Islands" the minimum was 39°.

Rainfall has been a little more than the mean in "England, E.", "England, S.", and the "Channel Islands", but less in all other districts.

Bright sunshine has been much more prevalent than during last week in the east of Scotland, the south-west of England, and the Channel Islands, and rather more so in most other districts. The percentages of possible duration ranged from 17 in "Scotland, N." to 50 in "England, S.W." and 65 in "Scotland, E."

Depressions observed.—During the first few days of this period pressure continued highest over the north-eastern and northern parts of our area, and lowest to the south-westward of our Islands, light or moderate winds between North-East and South-East consequently prevailing. As the week drew towards its close, however, two shallow depressions appeared,—one travelling north-north-westwards over Denmark and Norway, and the other in an easterly direction over the southern parts of England. The latter disturbance, which reached the neighbourhood of London on Sunday evening, remained stationary until the close of the period, diminishing in intensity. During its passage it caused westerly breezes on our southern coasts, southerly winds in the south-east and east, easterly at all our more northern stations, and northerly in the west.

† Returns incomplete; values consequently liable to alteration.

* The accumulated values (Since Jan. 1) for this district have been altered slightly owing to an error in the Returns from Londonderry.

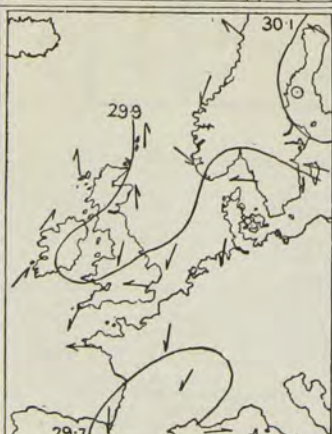
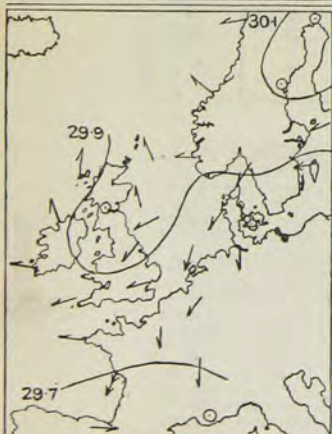
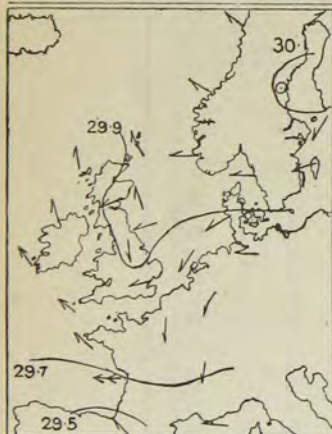
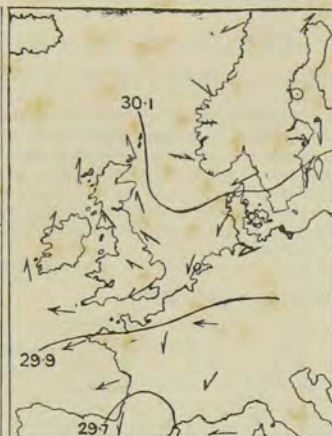
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, April 22.

Weather fair in most places, but overcast on our extreme western coasts and showery at Aberdeen, Spurn Head, and Dover. Slight rain falling later at several of our northern and eastern stations.

Temperature little changed; readings ranging from 48° at Valencia to 39° at Loughborough. Maxima below 50° in many parts of Great Britain. Sharp frost over England at night, lowest temperatures being 25° at Loughborough, 26° at Cambridge, and 27° at Oxford and in London. Thermometer on grass in London falling to 16°.

Wind South-Easterly on our western and northern coasts, but North-Easterly elsewhere; light or moderate in force generally.

Sea moderate to smooth.

Barometer falling a little in Ireland, Scotland, and the south of France, but rising elsewhere. Pressure highest over the north of Scandinavia, and lowest in the south of France, but area of relatively low readings lying off our western coasts. Slight fall taking place generally later.

Wednesday, April 23.

Weather cloudy or overcast in Scotland and the northern parts of Ireland and England, fine elsewhere. Showers falling later at several of our eastern stations, and lightning seen at Valencia at night.

Temperature fallen a little; readings ranging from 50° at Roche's Point to 35° at Shields and Loughborough. Maxima below 45° in the east of England, and sharp frost again occurring at our central stations at night. Lowest minima 25° at Cambridge, 27° at York, and 28° at Loughborough.

Wind South-Easterly or Southerly in Ireland and Scotland, but Easterly or North-Easterly elsewhere; light or moderate in force at most stations.

Sea moderate to smooth.

Barometer falling a little generally, but distribution of pressure similar to that of previous day. Slight fall continuing all day.

Thursday, April 24.

Weather fair in most places, but showers of hail falling at Dover. Hail or cold rain falling later at many of the eastern and south-eastern stations. Brilliant display of aurora seen in the north and east of Scotland at night.

Temperature risen on our north-east coasts, but fallen slightly elsewhere; readings ranging from 48° in the south of Ireland to 37° at Loughborough. Frost in many parts of Great Britain at night, lowest reading of the sheltered thermometer being 28° at Cambridge.

Wind South-Easterly in Ireland and Scotland, Easterly or North-Easterly elsewhere; moderate in force at most stations.

Sea rough at Valencia; slight or smooth elsewhere.

Barometer falling a little generally, but no change reported in the relative distribution of pressure. Slight fall continuing at most stations throughout day.

Friday, April 25.

Weather fair generally, but hail showers reported at Dover. Rain falling in Ireland during latter part of day.

Temperature risen slightly; readings ranging from 48° at Valencia and Seilly to 30° at Barrow-in-Furness. Minima again low for time of year, but no frost registered by sheltered thermometer.

Wind South-Easterly in Scotland and the north of Ireland, but Easterly or North-Easterly elsewhere; light or moderate in force generally.

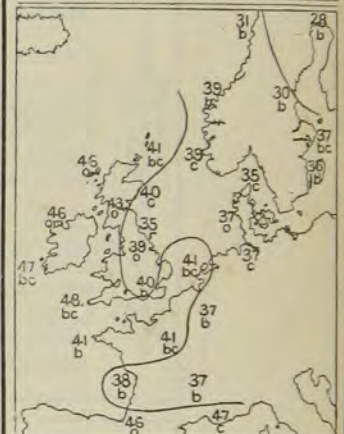
Sea slight or smooth.

Barometer falling in many parts of Scandinavia and Denmark, but rising in our Islands and France. No important alteration in distribution of pressures, but area of low readings beginning to appear over North Germany.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



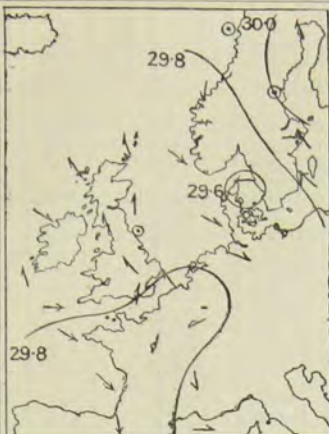
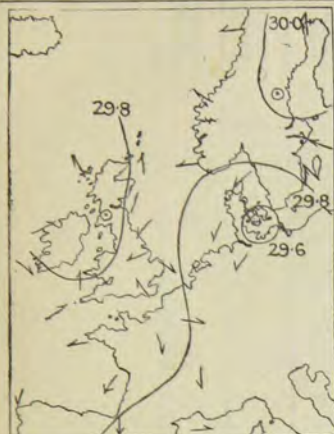
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, April 26.

Weather fair generally but rather cloudy. A little rain falling later in most parts of Ireland and England. Bright aurora seen at Wick at night.

Temperature changed little and irregularly: readings ranging from 50° at Scilly to 40° at York. Frost occurring in Scotland at night.

Wind moderate North-Easterly over France and the eastern shores of the North Sea and Southerly on our northern coasts, but light and variable in the south-east of England. South-Westerly breezes setting in on our southern coasts later.

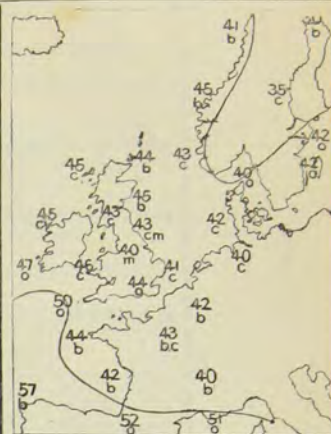
Sea slight or smooth.

Barometer falling at all but the French stations. Pressure still highest in north of Sweden, but large area of low readings appearing over our western coasts, and well defined depression over Denmark. Fall of barometer continuing all day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Sunday, April 27.

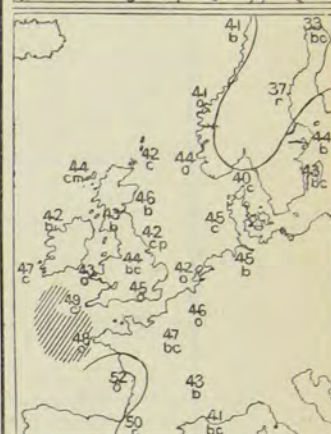
Weather unsettled and rainy in the south, but fair in the west and north. Thunderstorms or lightning singly occurring later at many of our western stations.

Temperature changed little and irregularly: readings ranging from 49° at Scilly to 42° at Sumburgh Head, Shields, and Mullaghmore. Frost in Scotland at night.

Wind strong Westerly in the Bay of Biscay and western part of the Channel, moderate Southerly on our south-east coasts and light Easterly in the north.

Sea rough at Scilly and Brest, slight or smooth elsewhere.

Barometer rising a little in the north of Scotland and south of France, but falling elsewhere. Areas of high readings found over the Gulf of Bothnia and north of Spain, with a large depression over Norway and a smaller disturbance near the mouth of the Bristol Channel. Norwegian depression subsequently passing away north-westwards, but smaller disturbance advancing eastwards over southern England.



Monday, April 28.

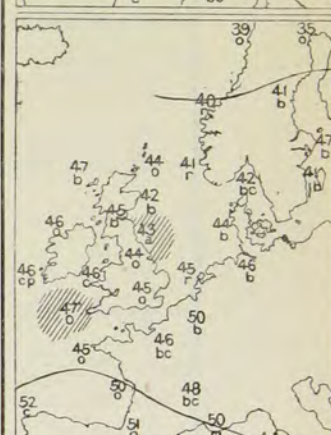
Weather cloudy and unsettled in most parts of England, but generally fair elsewhere. Considerable improvement taking place over England later.

Temperature changed little and irregularly: readings ranging from 48° at Spurn Head and Prawle Point to 40° at Parsonstown. Maxima rather higher than of late.

Wind South-Westerly in France but North-Easterly in most parts of our Islands; light or moderate in force generally. South-Westerly breeze appearing in south-west of England later.

Sea rough at Shields and Scilly, moderate to smooth elsewhere.

Barometer rising generally, most on our western and northern coasts. Readings highest north of Scandinavia and depression noticed at mouth of Bristol Channel on previous day now lying near London. Slight fall taking place in most places later, but depression over south coast of England remaining stationary.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 65 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)					Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.					
0. SCOTLAND, N.	Sumburgh Head	48	34	46.9	35.6	41.0	1	0.02	— 2.9	*	*
	Stornoway	52	32	49.3	37.4	43.1	3	0.06	— 2.3	18	17
	Wick	53	30	49.1	36.0	42.2	0	—	— 2.6	*	*
1. SCOTLAND, E.	Nairn	56	31	52.4	35.1	43.3	1	0.02	— 2.4	*	*
	Aberdeen	50	29	48.4	32.7	40.2	2	0.13	— 5.3	68	65
	Leith	51	28	48.4	31.7	39.6	3	0.12	— 7.6	*	*
2. ENGLAND, N.E.	Alnwick Castle	46	28	44.0	33.7	38.6	4	0.46	— 7.5	*	*
	Shields	48	33	46.0	35.4	40.5	5	0.38	— 6.2	*	*
	Durham	49	35	47.5	37.6	42.3	5	0.64	+0.20	*	*
	Scarborough	57	27	50.1	32.7	41.0	4	0.38	— 7.4	25	25
	Spurn Head	51	37	47.0	38.7	42.7	2	0.10	— 4.9	*	*
3. ENGLAND, E.	Hillington	54	25	51.5	30.3	40.4	5	0.51	— 9.0	36	36
	Yarmouth	50	35	46.9	38.3	42.4	4	0.27	— 7.3	*	*
	Geldeston	52	28	48.7	33.3	40.6	5	0.31	— 8.6	41	41
	Cambridge	55	25	51.1	30.6	40.4	3	0.57	— 10.1	22	22
	Rothamsted	51	25	48.8	31.8	39.9	4	0.74	— 10.7	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	55	22	51.6	30.0	40.3	3	0.15	— 9.3	*	*
	Loughborough	54	25	52.4	32.4	41.9	4	0.41	— 7.3	*	*
	Leicester	55	26	52.4	34.3	42.9	4	0.28	— 6.2	31	31
	Birmingham (Oscott)	52	29	49.8	33.1	41.0	3	0.29	— 7.4	*	*
	Cheadle	54	29	49.0	33.2	40.7	3	0.31	— 6.7	*	*
	Churchstoke	53	27	48.7	32.6	40.2	2	0.08	— 8.9	28	28
	Hereford	56	26	52.6	33.4	42.5	2	0.15	— 7.4	*	*
	Gloucester	51	25	48.9	32.4	40.5	3	0.25	— 8.3	36	36
5. ENGLAND, S.	Oxford	51	27	50.1	34.7	42.0	2	0.34	— 7.9	37	37
	London†	54	27	51.0	33.9	42.0	3	0.39	— 8.6	17	17
	Marlborough	51	23	49.1	30.6	39.3	2	0.24	— 8.6	33	33
	Stratfield Turgiss	54	23	51.4	30.8	40.6	3	0.50	— 8.5	*	*
	Dover	50	35	48.0	38.6	43.1	5	0.51	— 7.5	*	*
6. SCOTLAND, W.	Hastings (St. Leonard's)	51	33	49.2	37.1	42.9	3	1.32	— 7.2	31	31
	Southampton	53	29	51.2	33.9	42.1	2	0.57	— 8.1	30	30
	Hurst Castle	53	31	50.4	36.3	43.1	2	0.56	— 7.2	*	*
	Laudale (Loch Sunart)	53	35	50.2	39.9	44.8	2	0.03	— 2.2	*	*
	Glasgow	53	34	47.6	36.2	41.6	2	0.14	— 5.2	18	17
7. ENGLAND, N.W.	Ardrossan	53	35	49.9	36.9	43.1	2	0.11	— 3.6	*	*
	Silloth (Cumberland)	53	31	49.6	34.9	41.9	3	0.10	— 6.6	19	18
	Douglas (Isle of Man)	51	31	47.9	36.2	41.8	3	0.22	— 6.0	36	35
	Newton Reigny (Penrith)	49	27	46.7	33.8	39.9	3	0.07	— 6.9	26	25
	Barrow-in-Furness	54	35	50.9	37.4	43.8	1	0.02	— 5.2	*	*
8. ENGLAND, S.W.	Stonyhurst	51	31	49.2	34.1	41.3	3	0.24	— 6.9	25	25
	Blackpool	53	29	48.3	32.7	40.1	2	0.03	— 8.1	*	*
	Manchester	52	33	50.6	37.3	43.6	3	0.18	— 5.2	*	*
	Liverpool Obs (Bidston)	51	34	48.6	37.8	42.9	2	0.06	— 7.1	33	33
	Llandudno	51	34	48.6	37.8	42.9	2	0.06	— 7.1	*	*
9. IRELAND, N.	Holyhead	50	38	47.7	39.1	43.2	2	0.31	— 6.8	40	40
	Pembroke	51	29	48.1	32.3	39.8	4	0.63	— 9.4	*	*
	Arlington (N. Devon)	53	25	51.3	31.9	41.1	2	0.51	— 9.2	37	37
	Cullompton	53	38	49.1	40.5	44.6	3	0.36	— 5.4	61	62
	Falmouth	55	33	52.8	36.2	44.1	3	0.42	— 6.7	59	60
10. IRELAND, S.	Plymouth	56	36	50.9	38.7	44.5	3	0.61	— 5.4	*	*
	Prawle Point	56	36	50.9	38.7	44.5	3	0.61	— 5.4	*	*
	Londonderry	56	34	53.8	38.3	45.7	1	0.02	— 2.5	*	*
	Mullaghmore	55	40	53.9	42.3	47.8	2	0.62	— 1.0	*	*
	Markree Castle	55	33	54.0	37.6	45.4	4	0.57	— 3.6	40	39
CHANNEL ISLANDS	Brookeborough	56	34	53.2	36.6	44.5	4	0.10	— 4.1	*	*
	Armagh	54	31	51.7	36.9	43.9	1	0.09	— 4.4	27	26
	Donaghadee	51	37	49.1	39.7	44.2	3	0.32	— 4.5	*	*
	Dublin	54	35	51.7	38.3	44.7	2	0.12	— 4.7	30	30
	Parsonstown	55	29	53.1	35.6	44.2	3	0.57	— 5.0	41	41
CHANNEL ISLANDS	Kilkenny (The Castle)	62	30	57.7	35.4	46.0	4	0.15	— 3.4	*	*
	Waterford	58	31	54.3	35.7	44.6	3	0.17	— 5.4	*	*
	Roche's Point	57	39	53.0	40.6	46.5	4	0.42	— 3.3	*	*
	Valencia	54	58	52.4	40.6	46.2	5	1.03	— 3.8	44	44
	Foynes	53	34	51.1	36.4	43.4	2	0.65	— 5.5	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	52	41	50.0	42.4	46.0	1	0.27	— 4.7	*	*
	Jersey (Noirmont)	53	39	50.7	40.6	45.5	4	0.83	— 5.1	55	56

Stations marked fh are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—The observations at Holyhead are interrupted in consequence of the death of the observer.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 18.]
New Series.

WEEK ENDING MONDAY, 5TH MAY, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a “Day degree” signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 72.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	51	30	48.1	36.4	41.9	3 below.	Day deg. 17	Day deg. 223	Day deg. 21	Day deg. 383
	1. SCOTLAND, EAST	56	30	51.1	37.2	43.8	3 below.	33	347	13	379
	2. ENGLAND, N.E.	55	35	51.3	39.0	44.8	3 below.	32	333	8	282
	3. ENGLAND, EAST	60	31	56.1	37.8	46.5	3 below.	49	455	12	318
	4. MIDLAND COUNTIES	59	32	53.7	38.8	45.9	4 below.	41	462	9	321
	5. ENGLAND, SOUTH	60	31	55.2	40.9	47.6	3 below.	44	516	3	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	55	34	50.1	38.8	44.1	4 below.	28	368	9	231
	7. ENGLAND, N.W.	60	34	50.9	39.7	45.0	4 below.	31	376	6	254
	8. ENGLAND, S.W.	59	35	52.9	42.3	47.3	3 below.	37	509	0	105
	9. IRELAND, NORTH	55	30	50.9	38.5	44.4	5 below.	32	432	10	241
	10. IRELAND, SOUTH	63	31	54.4	40.3	47.0	3 below.	42	585	5	127
	— CHANNEL ISLANDS	56	40	53.4	44.8	48.8	2 below.	48	608	0	9
DISTRICTS. (See p. 72.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of In. 14	10ths of In. 9 more.	86	Ins. 14.4	42	337	39	23	
	1. SCOTLAND, EAST	5	6	2 more.	71	7.8	36	365	33	26	
	2. ENGLAND, N.E.	6	7	2 more.	68	8.7	28	290	27	20	
	3. ENGLAND, EAST	6	8	3 more.	64	6.2	34	364	33	25	
	4. MIDLAND COUNTIES	5	6	2 more.	65	9.2	32	310	31	21	
	5. ENGLAND, SOUTH	5	5	0 (average).	64	9.0	28	325	27	17	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	7	14	5 more.	84	19.1	28	293	27	20	
	7. ENGLAND, N.W.	6	9	5 more.	75	13.4	27	284	26	19	
	8. ENGLAND, S.W.	6	7	1 more.	79	14.7	31	349	30	23	
	9. IRELAND, NORTH	7	12	7 more.	87	14.7	27	311	26	21	
	10. IRELAND, SOUTH	6	7	1 more.	84	17.7	33	365	32	24	
	— CHANNEL ISLANDS	5	5	0 (average).	78	11.5	45	507	45	34	

General Remarks.

Weather has been in a very unsettled, changeable condition generally, brief intervals of clear sky alternating with heavy showers of rain or hail. In many parts of England and Ireland, thunderstorms have been experienced, that prevailing in the Metropolis on Monday afternoon being of unusual severity.

Temperature, although higher than of late, has again been below the mean, the deficit varying from 2° in the “Channel Islands” to 3° or 4° in most other districts, and to 5° in “Ireland, N.” The maxima, which were recorded on different dates in the various parts of the Kingdom, ranged from 51° in “Scotland, N.” to 60° in “England, E.” “England, S.”, and “England, N.W.”, and to 63° in “Ireland, S.” The minima, which were also registered on irregular dates, were as low as 30° in “Scotland, N.” “Scotland, E.”, and “Ireland, N.”, 31° in “England, E.” “England, S.”, and “Ireland, S.”, and between 32° and 35° in most other districts; in the “Channel Islands”, however, 40° was the lowest temperature.

Rainfall has been about equal to the mean in “England, S.” and the “Channel Islands”, but more elsewhere, the excess in “Scotland, N.” and “Ireland, N.” being rather large.

Bright sunshine has been rather less prevalent than during last week, the percentages of possible duration varying from about 27 or 30 in most parts of the country to 39 in “Scotland, N.” and 45 in the “Channel Islands”.

Depressions observed.—During the whole of this period the barometer has been comparatively high and steady over France, while some large depressions to the northward of Scotland—generally travelling eastwards or north-eastwards—and small subsidiary disturbances further southward, have caused the barometer over our Islands and Scandinavia to oscillate considerably. Moderate to fresh winds between South and West or North-West have been experienced generally, but on some parts of our western and northern coasts they have occasionally risen to the force of a gale.

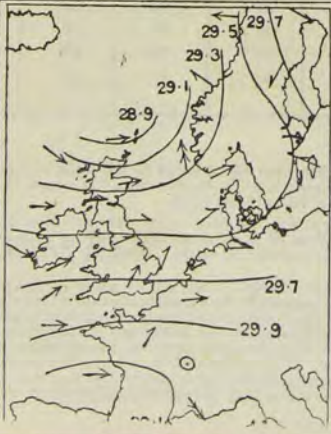
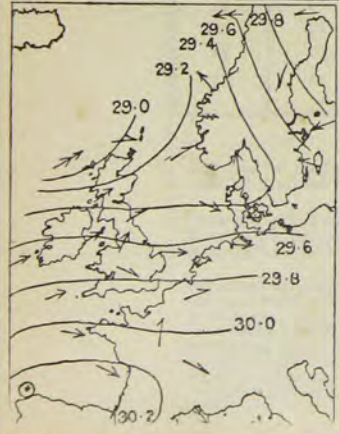
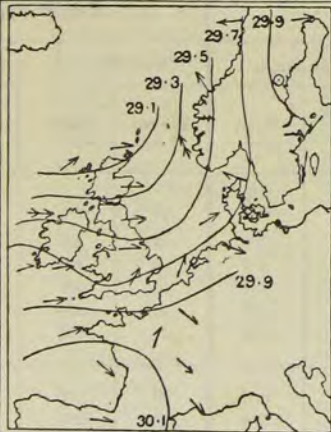
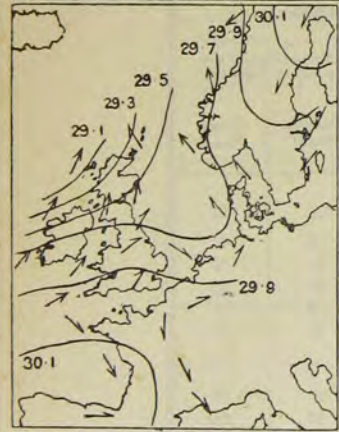
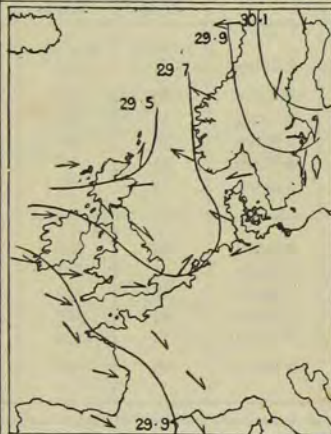
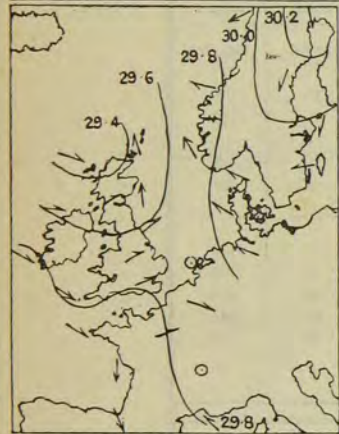
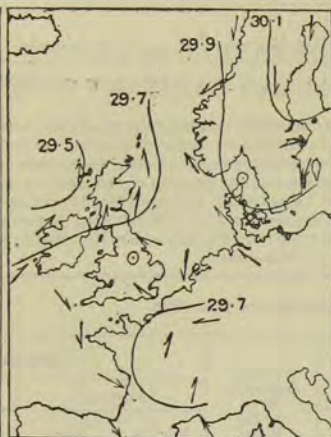
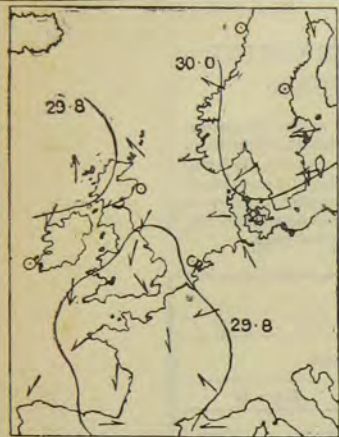
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, April 29.

Weather varying greatly in different localities; fog and mist reported in many parts of our Islands, and rain at Aberdeen and Leith. Rain falling later at all western and northern stations, a thunderstorm occurring at Paris, and thunder reported at Yarmouth.

Temperature changed little and irregularly; readings ranging from 50° at Prawle Point and Dover to 41° at Aberdeen.

Wind moderate Easterly on the eastern shores of the North Sea, and Southerly in the north of Scotland, but light Variable or Northerly breezes reported elsewhere. South-Westerly winds appearing over Ireland and the south of England later.

Sea rather rough at Scilly, moderate to smooth elsewhere.

Barometer rising a little in the north of Scandinavia, but falling in our Islands and France. Pressure highest north of Norway, with one large shallow area of low readings over England and France, and another of a similar kind off the north-west of Scotland. Latter becoming more pronounced during afternoon and evening.

Wednesday, April 30.

Weather rainy in the north and west of England, but generally fine elsewhere. Slight rain falling later in most parts of the Kingdom.

Temperature risen slightly; readings ranging from 52° at Dover to 40° at Stornoway. Maxima over England a little higher than of late.

Wind moderate in force generally—from North-West on our western coasts, from South-West in the east, and from South-East on the eastern shores of the North Sea. Subsequently veering to North-West on our east coasts.

Sea rather rough at Mullaghmore and Scilly, slight or smooth elsewhere.

Barometer falling at all but the French and northern Swedish stations. Area of high pressure over the Gulf of Bothnia, with shallow depression off the north of Scotland, and some subsidiary disturbances over our western coasts. Depression subsequently moving northwards, and barometer rising in west.

Thursday, May 1.

Weather fine in France and the south of England, but rainy in Denmark and also on our western and northern coasts. Rain extending to all parts of our Islands later, and a thunderstorm occurring at Ardrossan.

Temperature risen in the west, but fallen in the east; readings ranging from 51° at Valencia to 42° at Stornoway.

Wind strong from South-West or South in Ireland and Scotland, but moderate from West in the south of England, from North-West in France, and from South-East on the eastern shores of the North Sea. Subsequently veering to West in the west and north, but increasing to moderate gale from South-West in the south-east of England.

Sea rough in the west and south-west.

Barometer rising at our southern and the French stations; falling elsewhere. Pressure high over the Gulf of Bothnia and also over the Bay of Biscay, with a rather deep depression off the north-west of Scotland. Depression moving north-eastwards during day, and barometer rising in extreme west.

Friday, May 2.

Weather fine in the east and south-east of Great Britain, but cloudy or overcast elsewhere, with showers on our western and northern coasts. Showers falling later in all parts of the Kingdom.

Temperature very little changed; readings ranging from 53° at Scilly to 41° at Sumburgh Head and Nairn.

Wind generally South-Westerly or Westerly, but Easterly breezes reported from Sweden and the north of Norway; fresh to strong in force on nearly all coasts.

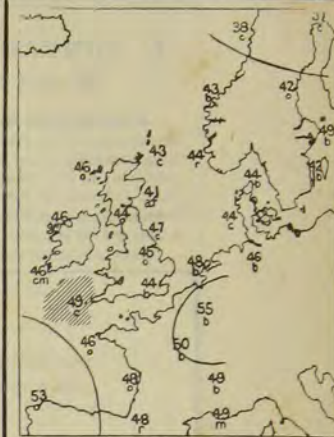
Sea rough in the south-west, west, and north.

Barometer falling at all but our western and south-western stations. Pressure highest south-west of France, but relatively high over Gulf of Bothnia. Depression of previous day passing away to the northward of Scotland. Fall continuing in most districts throughout day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



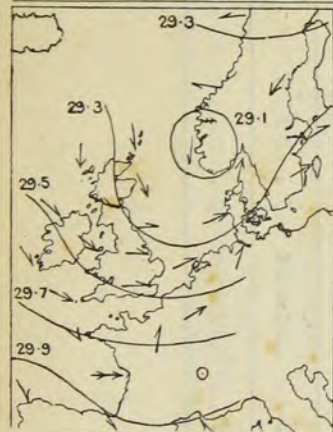
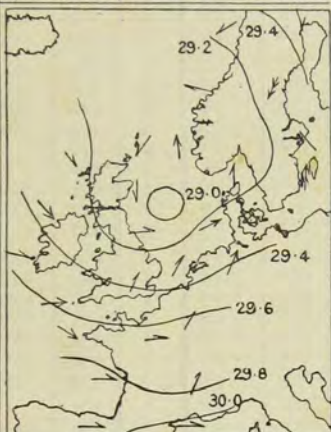
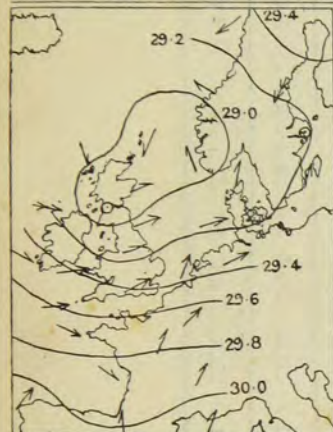
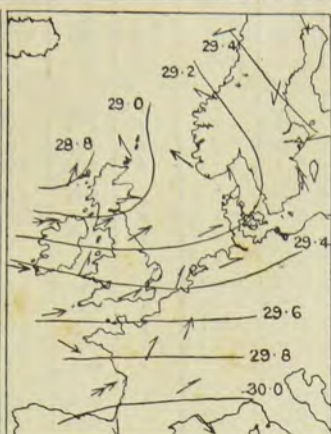
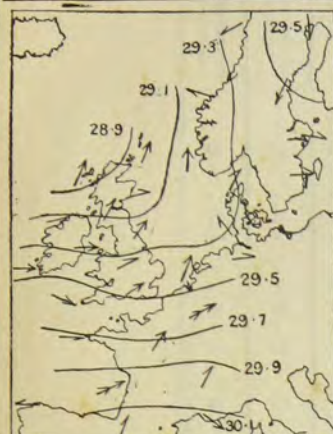
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, May 3.

Weather fine in the north of Scandinavia and south of France, cloudy or overcast elsewhere, with showers in many parts of our Islands. Lightning seen on our west coasts at night.

Temperature risen in France and the south-east of England, fallen elsewhere; readings ranging from 54° in London to 37° at Nairn.

Wind fresh or strong from between South-West and West in our Islands and France, but moderate from South or South-East on the eastern shores of the North Sea.

Sea rough on our western and southern coasts as well as at Sumburgh Head, slight off the east of England.

Barometer falling generally. Pressure highest in the south of France, with large depression to the north-westward of Scotland, and small subsidiary disturbances crossing our Islands. Fall continuing all day.

Sunday, May 4.

Weather changeable and showery in nearly all parts of western Europe. Thunderstorm occurring later in Ireland and the east of England.

Temperature risen a little in Ireland and Scotland, but fallen elsewhere; readings ranging from 50° at Scilly and Dover to 41° at Wick.

Wind moderate from the Northward in the north of Scotland, but strong to a gale from West or South-West in England, Ireland, and France, and moderate from South-East in the west of Norway. Subsequently veering to North-West on our western coasts and moderating generally.

Sea rough on our western and southern coasts.

Barometer falling at all but the western and northern stations. Pressure highest over the south of France and north of Spain with large area of low readings extending from the west of Scotland to the west of Norway. Recovery of pressure taking place later on our western and northern coasts.

Monday, May 5.

Weather showery in the west and north, but fine in the east and south. Showers extending to all districts later, and severe thunderstorms, with hail, occurring in many parts of England.

Temperature changed little and irregularly; readings ranging from 50° at Valencia, Scilly, and in London to 43° at Sumburgh Head, Wick, and Nairn. Fall taking place in England later.

Wind North-Westerly on our western and northern coasts, but Westerly in the south and east, and South-Westerly on the eastern shores of the North Sea; strong in force in the north of Scotland, but moderate elsewhere.

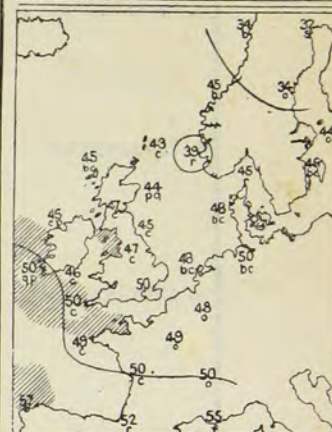
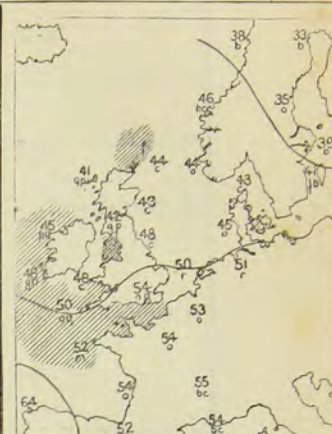
Sea rather rough on the west and south.

Barometer rising generally. Pressure still highest in the south of France and north of Spain with well-defined but shallow depression over the south of Norway. Depression moving slowly north-eastwards later and barometer continuing to rise on all coasts.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 69 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	48	34	46.7	36.1	41.1	- 3.6	7	1.64	+1.19	*	*
	Stornoway	50	33	48.1	36.3	41.9	- 3.8	7	1.98	+1.38	42	39
	Wick	51	30	49.4	36.7	42.7	- 2.7	6	0.58	+0.22	*	*
1. SCOTLAND, E.	Nairn	54	30	50.3	36.4	43.0	- 3.3	3	0.69	+0.36	*	*
	Aberdeen	55	31	52.0	36.6	43.9	- 2.3	5	0.43	-0.07	36	33
	Leith	56	35	51.1	38.6	44.4	- 3.7	6	0.77	+0.39	*	*
2. ENGLAND, N.E.	Alnwick Castle	50	35	48.7	38.1	43.1	- 3.5	7	0.78	?	*	*
	Shields	52	36	50.4	38.7	44.2	- 3.1	6	0.80	+0.39	*	*
	Durham	54	35	53.2	35.9	44.1	- 3.0	6	0.59	+0.06	26	25
	Scarborough	54	37	51.4	39.5	45.1	- 2.7	7	0.47	+0.02	*	*
	York	55	37	53.4	39.4	46.0	- 3.1	6	0.71	+0.31	30	29
3. ENGLAND, E.	Spurn Head	53	38	50.9	42.1	46.3	- 1.7	6	0.78	?	*	*
	Hillington	59	32	56.0	36.4	45.7	- 4.3	6	0.80	+0.37	34	33
	Yarmouth	57	35	54.6	40.4	47.2	- 1.5	6	0.60	+0.17	*	*
	Geldeston	60	33	56.3	37.8	46.6	- 3.1	5	1.10	+0.72	35	34
	Cambridge	59	32	57.3	37.3	46.8	- 4.5	6	0.79	+0.39	32	31
4. MIDLAND COUNTIES	Rothamsted	58	31	56.1	37.0	46.0	- 3.4	6	0.56	+0.05	*	*
	Bawtry (Hesley Hall)	58	38	54.3	38.9	46.2	- 3.9	6	0.44	+0.03	*	*
	Loughborough	58	35	54.3	39.7	46.6	- 3.4	6	0.73	+0.30	*	*
	Leicester	59	35	54.3	38.4	45.9	- 4.0	6	0.75	+0.32	32	31
	Birmingham (Oscott)	55	35	53.6	39.0	45.9	- 3.3	6	0.46	-0.04	*	*
	Cheadle	52	34	50.7	37.3	43.7	- 4.5	6	0.92	?	*	*
	Churchstoke	54	34	52.3	37.3	44.4	- 5.1	5	0.76	?	33	32
	Hereford	58	33	56.4	38.3	46.9	- 3.5	4	0.88	-0.03	*	*
5. ENGLAND, S.	Cirencester	56	32	53.3	38.7	45.6	- 4.0	5	0.71	+0.19	29	28
	Oxford	57	37	55.1	41.6	48.0	- 2.5	5	0.43	-0.01	34	33
	London†	59	33	57.1	40.3	48.2	- 3.2	5	0.40	-0.01	25	25
	Marlborough	55	33	54.1	37.9	45.6	- 2.9	6	0.63	+0.10	27	26
	Strathfield Turgiss	60	31	56.7	37.0	46.3	- 3.3	5	0.55	+0.15	*	*
	Dover	56	41	55.0	44.4	49.4	- 1.8	3	0.21	-0.22	*	*
	Hastings (St. Leonard's)	55	40	53.4	43.7	48.3	- 2.4	4	0.19	-0.26	33	32
	Southampton	59	33	56.8	39.4	47.6	- 3.2	5	0.60	+0.10	27	26
6. SCOTLAND, W.	Hurst Castle	54	36	53.3	43.3	48.0	- 3.1	6	0.59	+0.19	*	*
	Laudale (Loch Sunart)	52	34	48.8	35.9	42.0	- 5.5	7	3.41	?	*	*
	Glasgow	52	35	49.1	37.4	42.9	- 4.3	7	1.19	+0.66	19	18
	Ardrossan	54	38	49.7	39.7	44.3	- 2.9	6	0.68	+0.14	*	*
	Silloth (Cumberland)	55	38	51.6	40.2	45.6	- 3.6	7	1.25	+0.85	26	25
7. ENGLAND, N.W.	Douglas (Isle of Man)	54	40	51.2	40.9	45.8	- 2.2	6	0.56	+0.14	40	38
	Newton Reigny (Penrith)	53	35	49.7	36.7	42.8	- 4.7	7	1.31	?	26	25
	Barrow-in-Furness	55	40	51.1	42.1	46.4	- 3.1	5	0.55	?	*	*
	Stonyhurst	60	36	51.6	39.0	45.0	- 3.8	7	1.05	+0.50	25	24
	Blackpool	51	35	50.0	39.5	44.5	- 5.4	6	0.81	+0.43	33	31
	Manchester	52	34	50.6	36.9	43.4	- 5.9	5	1.31	+0.86	*	*
	Liverpool Obs [†] (Bidston)	54	39	51.9	41.6	46.4	- 3.4	6	0.70	+0.35	*	*
	Llandudno	54	40	51.7	41.7	46.4	- 3.9	6	0.79	+0.39	25	24
8. ENGLAND, S.W.	Holyhead	*	*	*	*	*	*	*	*	*	*	*
	Pembroke	56	40	50.9	43.9	47.2	- 3.1	5	0.36	-0.10	44	43
	Arlington (N. Devon)	54	36	51.0	39.9	45.2	- 4.4	6	1.20	?	*	*
	Cullompton	59	35	55.0	40.5	47.4	- 3.5	6	0.68	?	29	28
	Palmouth	56	42	53.6	44.0	48.5	- 2.0	6	0.83	+0.11	28	27
9. IRELAND, N.	Plymouth	58	36	55.2	42.3	48.4	- 3.2	7	0.41	-0.13	22	22
	Prawle Point	53	40	51.4	43.1	47.0	- 3.4	6	0.55	?	*	*
	Londonderry	55	34	51.6	37.8	44.4	- 4.3	7	1.74	+1.18	*	*
	Mullaghmore	53	41	49.9	42.1	45.8	- 3.9	7	1.19	?	*	*
	Markree Castle	53	30	51.0	37.4	43.8	- 5.8	7	1.16	?	30	29
10. IRELAND, S.	Brookeborough	54	36	50.5	36.4	43.1	- 6.4	7	1.40	?	*	*
	Armagh	55	35	51.6	38.0	44.4	- 4.7	7	1.10	+0.64	23	22
	Donaghadee	53	37	51.0	39.4	44.9	- 4.4	5	0.54	+0.08	*	*
	Dublin	57	39	53.3	41.0	46.8	- 3.0	7	0.35	-0.11	34	33
	Parsonstown	56	31	52.9	38.6	45.4	- 4.4	6	0.61	+0.11	29	28
CHANNEL ISLANDS	Kilkenny (The Castle)	63	39	58.9	40.1	49.0	- 1.1	5	0.45	?	*	*
	Waterford	57	33	55.4	37.8	46.1	- 4.5	7	0.47	-0.13	*	*
	Roche's Point	57	40	54.6	42.4	48.2	- 2.3	7	0.79	-0.01	*	*
	Valencia	55	39	53.9	42.7	48.0	- 2.4	7	0.94	+0.16	35	34
CHANNEL ISLANDS	Foynes	54	39	51.7	39.6	45.3	- 4.4	6	1.12	?	*	*
	Scilly (St. Mary's)	56	44	53.3	46.1	49.5	- 1.7	5	0.24	-0.25	*	*
CHANNEL ISLANDS	Jersey (Noirmont)	54	40	53.4	43.4	48.1	- 3.1	5	0.66	+0.21	45	45

Stations marked *ft* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—The observations at Holyhead are interrupted in consequence of the death of the observer.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 19.]
New Series.

WEEK ENDING MONDAY, 12TH MAY, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 76.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	59	31	52.1	39.3	45.3	1 below.	Day deg. 34	Day deg. 262	Day deg. 8	Day deg. 391
	1. SCOTLAND, EAST	70	29	57.7	41.5	49.1	1 above.	52	399	1	380
	2. ENGLAND, N.E.	73	32	60.5	44.6	52.0	3 above.	70	403	0	282
	3. ENGLAND, EAST	79	31	64.6	43.1	53.4	3 above.	80	535	0	318
	4. MIDLAND COUNTIES	83	33	64.4	43.4	53.3	3 above.	79	541	0	321
	5. ENGLAND, SOUTH	78	34	63.6	44.7	53.6	2 above.	81	597	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	73	32	55.6	43.3	49.1	0 (average)	50	418	0	231
	7. ENGLAND, N.W.	80	33	59.0	45.1	51.6	1 above.	67	443	0	254
	8. ENGLAND, S.W.	73	33	58.5	44.9	51.2	0 (average).	64	573	0	105
	9. IRELAND, NORTH	65	33	57.4	44.0	50.8	1 above.	62	494	0	241
	10. IRELAND, SOUTH	69	35	59.4	46.0	52.2	1 above.	71	656	0	127
	— CHANNEL ISLANDS	75	43	59.1	47.8	53.1	1 above.	78	686	0	9

DISTRICTS. (See p. 76.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10ths of In. 7	10ths of In. 3 more.	91	Ins. 15.1	29	366	26	23
	1. SCOTLAND, EAST	4	6	2 more.	75	8.4	30	395	27	26
	2. ENGLAND, N.E.	3	2	3 less.	71	8.9	36	326	33	20
	3. ENGLAND, EAST	2	2	2 less.	66	6.4	58	422	55	27
	4. MIDLAND COUNTIES	2	2	3 less.	67	9.4	51	361	48	23
	5. ENGLAND, SOUTH	3	2	2 less.	67	9.2	52	377	49	24
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	5	9	4 more.	89	20.0	23	316	21	20
	7. ENGLAND, N.W.	3	4	1 less.	78	13.8	30	314	29	19
	8. ENGLAND, S.W.	3	3	3 less.	82	15.0	39	388	37	24
	9. IRELAND, NORTH	5	10	5 more.	92	15.7	24	335	23	21
	10. IRELAND, SOUTH	4	6	0 (average).	88	18.3	32	397	30	24
	— CHANNEL ISLANDS	3	2	3 less.	81	11.7	65	572	62	36

General Remarks.

Weather has varied greatly in different localities and on different days. During the first part of the time it was generally cool, cloudy, and showery, but subsequently it became very fine and warm at all except our extreme northern and south-western stations. By the close of the period, however, it had again become unsettled, and over the greater part of England sharp thunderstorms were experienced.

Temperature has been one degree below the mean in "Scotland, N." and about equal to it in "Scotland, W." and "England, S.W.," but from 1° to 3° below it elsewhere. The maxima, which were generally registered on the 11th, were unusually high, especially over the north-western, central, and south-eastern parts of England. At Bawtry the thermometer rose to 83°, at Newton Regency to 80°, and at several of our south-eastern stations to 78° or 79°. The minima were recorded either on the 6th or 7th, and varied from 29° in "Scotland, E." and 31° in "Scotland, N." and "Ireland, S." to 43° in the "Channel Islands".

Rainfall has been rather more than the mean in Scotland and the N. of Ireland, and about equal to its normal value in "Ireland, S.," but less in other districts.

Bright sunshine has been much more prevalent than during last week over central, southern, and eastern England, and in the Channel Islands, but shows no material change elsewhere. The percentages of possible duration varied from between 21 and 29 in the northern and north-western parts of the Kingdom, to 55 in "England, E." and 62 in the "Channel Islands".

Depressions observed.—At the opening of this period a disturbance was passing away from our neighbourhood in a north-easterly direction, and the barometer in our Islands and France was rising, with moderate North-Westerly breezes. By the morning of the 7th, however, pressure had given way briskly on our western coasts, and during the remainder of the week a series of depressions travelled north-eastwards over or to the westward of our extreme north-western and western coasts, while over France and the south of England the mercury was comparatively high and steady. Southerly to South-westerly winds, fresh or strong at times in the west and north, consequently became general over the United Kingdom, but the formation of some "thunderstorm" depressions over the south-east of England and north of France on the 12th, caused the direction of the wind over England to vary considerably.

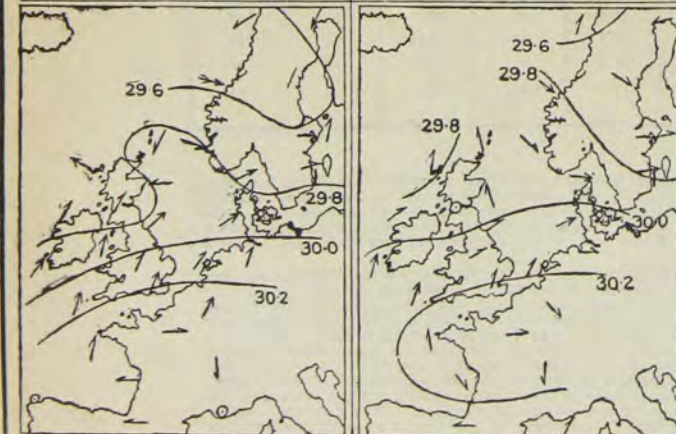
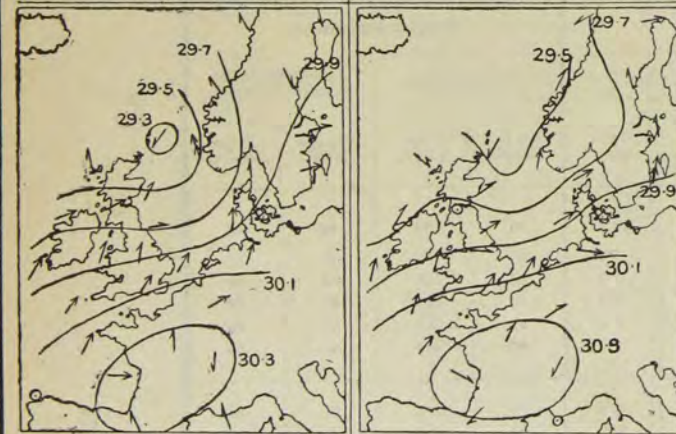
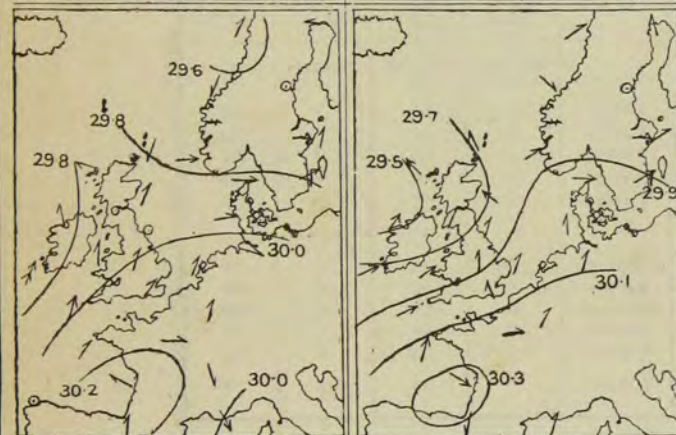
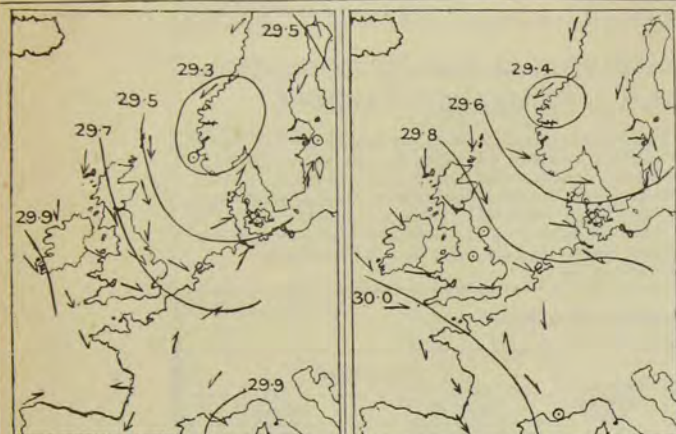
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

-8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, May 6.

Weather fair in most places, but hail and sleet showers reported in the north of Scotland, and steady rain in the south-west of France. Showers falling later in most parts of the country, and thunderstorms occurring at York, Cambridge, and Yarmouth.

Temperature fallen a little; readings ranging from 52° at Valencia to 46° at Sumburgh Head. Maxima rather low for time of year.

Wind South-Easterly on the eastern shores of the North Sea, but North-Westerly in our Islands and the north of France; strong in force in the north of Scotland. Subsequently falling light and Variable on our east coasts.

Sea rough off the Shetlands, and rather so at Barrow-in-Furness and Scilly.

Barometer rising generally. Areas of relatively high pressure lying off our south-west coasts and also over the south-east of France, and large depression found over Norway. Depression not moving much during day, but rise continuing in all places.

Wednesday, May 7.

Weather dull and rainy in the west and south-west, but fine elsewhere. Rain extending later to all parts of the Kingdom.

Temperature risen slightly in the east and south; readings ranging from 53° at Valencia to 37° at Sumburgh Head.

Wind South-Westerly or Southerly in our Islands, but Westerly on the eastern shores of the North Sea, and North-Westerly in the south-east of France; strong to a gale in force on our west and south-west coasts. Subsequently backing to South-East in Scotland, and increasing to strong breeze.

Sea rough on our south-west coasts.

Barometer falling quickly in the west of our Islands, but rising elsewhere. Anticyclone lying over the Bay of Biscay. Depression of previous day moving away northwards, but new disturbance approaching our western coasts. Latter subsequently travelling north-eastwards, and fall of barometer taking place over whole Kingdom.

Thursday, May 8.

Weather dull and rainy at several of our western stations, but fine elsewhere. Rain extending to Scotland later.

Temperature risen a few degrees; readings ranging from 55° in London to 46° in the Shetlands. Maxima over England rather higher than of late.

Wind strong South-Westerly in our Islands and the north of France, but Southerly or South-Easterly on the eastern shores of the North Sea, and light Variable in the south of France.

Sea rough west and south.

Barometer rising at all but the extreme northern stations. Large anticyclone lying over France, with depression of previous day near the Shetlands. Depression subsequently dispersing, and barometer rising in north.

Friday, May 9.

Weather fine in France and the south and east of England, but cloudy or overcast elsewhere, with rain in the west and north.

Temperature fallen north; readings ranging from 57° at Scilly to 41° at Nairn. Highest maxima 66° at Yarmouth and 65° at Donaghadee and in London.

Wind Easterly in the north and east of Scotland, but South-Westerly or Westerly elsewhere; fresh in force over England and Ireland. Shifting to the Southward in Scotland later.

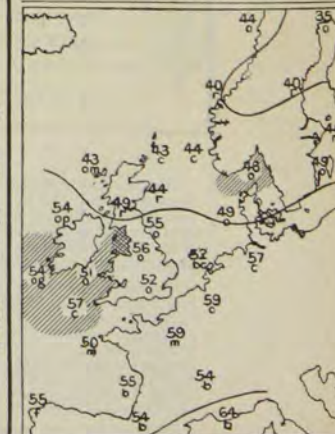
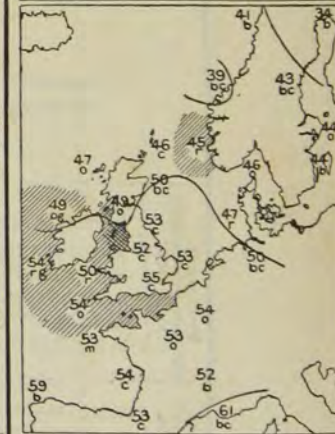
Sea rough in the west and south-west.

Barometer falling in Scandinavia and the south-west of France; rising elsewhere. Anticyclone still lying over France, with large depression off the west of Norway and small shallow disturbance over the west of Scotland. Both systems moving away in a northerly direction later.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, May 10.

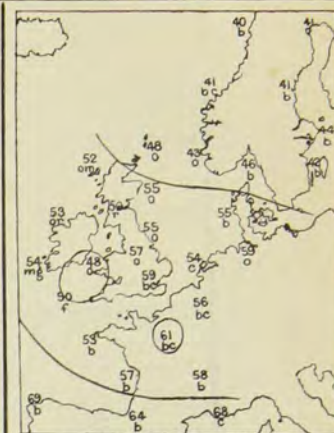
Weather dull and rainy at some of the western and northern stations, generally fine elsewhere.

Temperature risen excepting in west; readings ranging from 59° at Leith, Yarmouth, and in London to 48° at the Shetlands. Thermometer subsequently rising to 71° at Oxford and Yarmouth, 72° at Loughboro' and Cambridge, and 73° in London.

Wind light or moderate generally,—from South-East in the west of France, from South or South-West in our Islands, and from West on the eastern shores of the North Sea.

Sea rather rough on our south-west coasts, slight or smooth elsewhere.

Barometer rising at all but the French stations. Central portion of anticyclone now lying over the east of France, with lowest pressures in north of Sweden, but relatively low readings on our western coasts. Slight fall taking place over England and Ireland later.



Sunday, May 11.

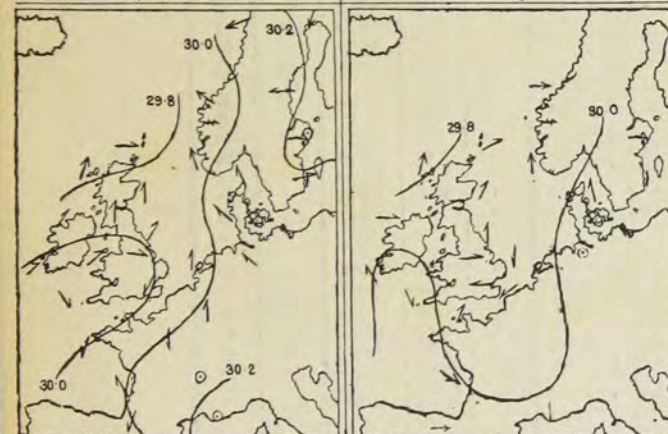
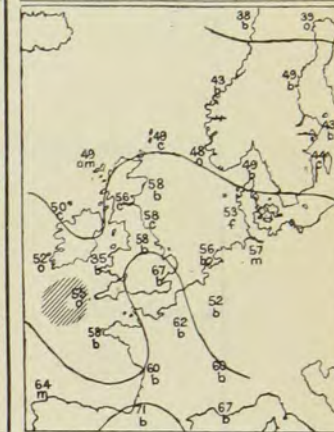
Weather cloudy in the west and south-west of our Islands, but fine and bright in nearly all other localities. Sky clearing in west later.

Temperature fallen a little in west and north, risen elsewhere; readings ranging from 67° in London to 48° at Donaghadee. Thermometer subsequently rising to 78° at York and in London, and 79° at Loughborough, Liverpool, and Cambridge.

Wind light or moderate from South-East or South in our Islands and France, but Northerly in Sweden. Subsequently veering to South-West on our western coasts.

Sea rather rough at Scilly, moderate to slight elsewhere.

Barometer rising in Scandinavia and Denmark, but falling in our Islands and France. Band of high pressure extending from the east of France across the Netherlands and North Sea to the west of Norway, with relatively low readings on our extreme western coasts and also in Sweden.



Monday, May 12.

Weather fine generally in morning, but thunderstorm with heavy rain and hail occurring over the south-east of England in afternoon or evening.

Temperature fallen several degrees over England, readings ranging from 61° in London to 48° at Barrow-in-Furness. Thermometer subsequently rising to 78° in London.

Wind moderate South-Westerly in west and north and South-Easterly on eastern shores of North Sea, but light from North-East or North on our southern coasts.

Sea moderate to smooth.

Barometer rising in our Islands and Sweden, but falling elsewhere. Areas of high pressure lying over Sweden, the south of France, and our south-west coasts, and large area of low readings off our extreme northern coasts. Small depression forming over southeast of England in afternoon.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 73 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	55	34	49.9	38.6	43.9	-1.8	5	Inches. 0.93	Inches. +0.57	29	26
	Stornoway	59	34	52.3	40.0	45.8	-0.8	7	0.61	+0.02	29	26
	Wick	59	31	54.1	39.3	46.3	+0.1	4	0.62	+0.26	29	26
1. SCOTLAND, E.	Nairn	70	31	57.0	41.1	48.6	+1.2	5	0.45	+0.12	29	27
	Aberdeen	66	29	56.7	41.3	48.5	+1.4	4	0.43	-0.08	30	27
	Leith	68	35	59.3	42.0	50.1	+1.2	3	0.91	+0.51	29	27
2. ENGLAND, N.E.	Alnwick Castle	63	32	57.0	43.4	49.8	+2.2	3	0.30	?	29	27
	Shields	70	35	60.7	44.9	52.3	+4.1	0	—	-0.40	29	27
	Durham	76	33	62.2	42.9	52.0	+3.9	3	0.13	-0.37	39	36
	Scarborough	73	37	60.7	46.6	53.2	+4.4	4	0.18	-0.27	29	27
	York	78	34	64.1	43.4	53.1	+2.8	3	0.36	-0.04	32	30
3. ENGLAND, E.	Spurn Head	67	40	58.3	46.6	51.8	+2.6	3	0.18	?	29	27
	Hillington	78	31	65.5	42.4	53.3	+2.9	3	0.33	-0.10	52	49
	Yarmouth	71	37	60.7	45.7	52.8	+1.4	2	0.22	-0.22	29	27
	Geldeston	74	35	65.0	43.6	53.7	+3.2	1	0.19	-0.21	63	59
	Cambridge	79	33	67.0	42.3	53.9	+1.9	3	0.24	-0.16	60	57
4. MIDLAND COUNTIES	Rothamsted	75	33	64.8	41.5	53.4	+3.0	2	0.09	-0.39	29	27
	Bawtry (Hesley Hall)	83	34	66.0	43.7	54.2	+3.7	3	0.21	-0.22	29	27
	Loughborough	79	34	66.0	44.3	54.5	+3.4	2	0.13	-0.33	29	27
	Leicester	79	36	66.1	44.7	54.8	+3.8	3	0.20	-0.25	50	47
	Birmingham (Oscott)	76	36	63.2	43.7	52.9	+2.4	3	0.22	-0.28	29	27
5. ENGLAND, S.	Cheadle	75	35	61.0	43.8	51.9	+2.4	2	0.28	?	29	27
	Churchstoke	77	33	62.6	43.2	52.3	+1.9	2	0.09	?	46	43
	Hereford	78	36	66.8	43.5	54.5	+3.1	2	0.11	-0.32	29	27
	Cirencester	75	33	62.4	39.3	50.2	-0.5	2	0.25	-0.25	52	49
	Oxford	76	37	65.3	44.0	54.0	+2.6	2	0.39	-0.12	55	52
6. SCOTLAND, W.	London†	78	36	67.1	43.7	54.8	+2.4	3	0.21	-0.22	54	51
	Marlborough	75	35	64.4	41.9	52.4	+3.0	2	0.46	-0.04	50	47
	Strathfield Turgiss	77	34	67.2	41.6	53.9	+3.5	2	0.16	-0.24	29	27
	Dover	67	42	60.0	47.4	53.3	+1.5	3	0.20	-0.23	29	27
	Hastings (St. Leonard's)	72	40	61.1	48.0	54.2	+2.7	3	0.17	-0.27	50	47
7. ENGLAND, N.W.	Southampton	75	36	64.9	44.5	54.1	+2.5	2	0.15	-0.30	54	51
	Hurst Castle	68	40	60.4	45.7	52.6	+1.0	3	0.15	-0.25	29	27
	Laudale (Loch Sunart)	67	34	54.7	44.8	49.4	+1.2	6	1.43	?	29	27
	Glasgow	69	35	56.1	43.1	49.2	+1.0	5	1.03	+0.53	17	15
	Ardrossan	63	35	54.1	42.3	47.8	-0.4	6	0.85	+0.35	29	27
8. ENGLAND, S.W.	Silloth (Cumberland)	73	32	58.2	43.3	50.3	+0.2	4	0.97	+0.56	28	26
	Douglas (Isle of Man)	64	34	54.8	43.2	48.7	0.0	3	0.41	-0.01	25	23
	Newton Reigny (Penrith)	80	33	58.7	42.7	50.2	+2.1	4	0.67	?	29	27
	Barrow-in-Furness	69	41	55.1	45.4	50.0	-0.3	4	0.84	?	29	27
	Stonyhurst	75	37	59.4	43.7	51.1	+1.3	4	0.31	-0.24	36	33
9. IRELAND, N.	Blackpool	76	37	58.2	43.3	51.4	+0.7	4	0.48	+0.08	28	26
	Manchester	76	35	61.0	43.6	51.8	+1.2	2	0.17	-0.30	29	27
	Liverpool Obs† (Bidston)	79	38	61.0	47.6	53.9	+3.0	1	0.13	-0.24	29	27
	Llandudno	75	40	59.9	47.1	53.1	+1.9	0	—	-0.40	31	29
	Holyhead	55	44	52.6	46.6	49.4	-1.5	5	0.34	-0.12	21	20
10. IRELAND, S.	Pembroke	72	37	60.0	43.6	51.3	+0.8	3	0.30	?	29	27
	Arlington (N. Devon)	73	33	64.1	41.7	52.2	+0.2	2	0.21	?	46	43
	Cullompton	61	44	56.9	47.1	51.4	0.0	4	0.35	-0.35	45	43
	Falmouth	67	40	60.4	46.4	53.0	+0.4	2	0.27	-0.25	43	41
	Plymouth	63	40	57.1	43.7	50.0	-1.2	3	0.19	?	29	27
CHANNEL ISLANDS	Prawle Point	62	35	57.5	43.9	50.3	+0.8	5	1.06	+0.52	29	27
	Londonderry	61	38	56.0	45.3	50.3	-0.4	5	0.89	?	29	27
	Mullaghmore	62	36	57.7	44.3	50.7	+0.2	5	0.75	?	29	27
	Markree Castle	62	34	57.5	43.4	50.0	-0.4	4	1.35	?	29	27
	Brookeborough	63	37	58.0	43.9	53.4	+3.2	5	0.99	+0.57	19	18
10. IRELAND, S.	Armagh	65	33	57.9	43.0	50.0	+0.2	5	0.74	+0.27	29	27
	Donaghadee	69	37	62.6	46.8	54.2	+3.6	4	0.19	-0.23	31	29
	Dublin	65	35	60.3	44.6	52.0	+1.3	4	0.50	-0.00	30	28
	Parsonstown	67	40	61.7	45.7	53.2	+2.2	3	0.32	?	29	27
	Kilkenny (The Castle)	61	38	57.1	46.0	51.3	-0.3	4	0.24	-0.30	29	27
CHANNEL ISLANDS	Waterford	58	42	56.1	46.7	51.1	-0.6	5	0.43	-0.42	29	27
	Roche's Point	59	36	57.0	46.6	51.3	+0.2	5	1.42	+0.72	35	33
	Valencia	64	41	60.3	45.7	52.6	+2.0	4	0.79	?	29	27
	Foynes	60	45	55.9	47.6	51.5	-0.7	3	0.26	-0.17	29	27
	Seilly (St. Mary's)	75	43	62.3	47.9	54.7	+2.2	2	0.06	-0.36	65	62
CHANNEL ISLANDS	Jersey (Noirmont)	75	43	62.3	47.9	54.7	+2.2	2	0.06	-0.36	65	62

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—The observations at Holyhead are interrupted in consequence of the death of the observer.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY J. D. POTTER, 31, POULTRY, AND 11, KING STREET, TOWER HILL, AND E. STANFORD, 55, CHARING CROSS.

VOL. I. No. 20.]
New Series.

WEEK ENDING MONDAY, 19TH MAY, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 80.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	59	36	52.1	40.3	45.8	1 below.	Day deg. 34	Day deg. 296	Day deg. 5	Day deg. 396
	1. SCOTLAND, EAST	65	35	58.4	42.7	50.0	1 above.	56	455	0	380
	2. ENGLAND, N.E.*	68	34	59.7	46.4	52.7	3 above.	75	478	0	282
	3. ENGLAND, EAST	75	39	63.6	47.2	54.9	3 above.	90	625	0	318
	4. MIDLAND COUNTIES	71	33	62.3	45.4	53.3	2 above.	79	620	0	321
	5. ENGLAND, SOUTH	74	40	61.8	48.2	54.6	2 above.	88	685	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	60	36	54.7	43.8	48.9	1 below.	48	466	0	231
	7. ENGLAND, N.W.	65	32	57.9	44.9	51.0	1 below.	63	506	0	254
	8. ENGLAND, S.W.	64	33	57.2	45.3	50.9	1 below.	62	635	0	105
	9. IRELAND, NORTH	63	32	55.9	43.4	49.3	2 below.	51	545	0	241
	10. IRELAND, SOUTH	70	33	58.2	45.3	51.4	1 below.	66	722	0	127
	— CHANNEL ISLANDS	63	46	57.3	48.1	52.4	1 below.	73	759	0	9

DISTRICTS. (See p. 80.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of In. 14	10ths of In. 10 more.	97	Ins. 16.5	29	395	25	23
	1. SCOTLAND, EAST	5	4	1 more.	80	8.8	42	437	37	26
	2. ENGLAND, N.E.*	2	2	3 less.	73	9.1	47	373	42	21
	3. ENGLAND, EAST	2	1	4 less.	68	6.5	40	462	37	27
	4. MIDLAND COUNTIES	2	2	3 less.	69	9.6	41	402	38	23
	5. ENGLAND, SOUTH	2	1	4 less.	69	9.3	34	414	32	24
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	6	11	4 more.	95	31.1	29	345	26	20
	7. ENGLAND, N.W.	3	6	2 more.	81	14.4	43	357	39	20
	8. ENGLAND, S.W.	3	2	4 less.	85	15.2	45	433	42	24
	9. IRELAND, NORTH	6	12	7 more.	98	16.9	24	359	22	21
	10. IRELAND, SOUTH	5	5	0 (average).	93	18.8	31	428	28	24
	— CHANNEL ISLANDS	4	1	3 less.	85	11.8	41	613	39	36

General Remarks.

Weather has been rather dull in Ireland, Scotland, and the north-west of England, with frequent showers, but elsewhere the sky has been clearer and the weather generally dry.

Temperature has been a little below the mean in the western and extreme northern parts of the Kingdom, as well as in the "Channel Islands", but from 1° to 3° above it in the east of Scotland, and over eastern, central, and southern England. The maxima, which were registered on the 16th in most districts, but on the following day in the south-east of England, varied from 58° in "Scotland, N." and 60° in "Scotland, W.", to 74° in "England, S." and 75° in the "Midland Counties". The minima, with few exceptions, were recorded on the 19th, and ranged from 32° in "England, N.W." and "Ireland, N.", and 33° in the "Midland Counties" and "England, S.W.", to 40° in "England, S." and 46° in the "Channel Islands".

Rainfall has been more than the mean in Scotland, the greater part of Ireland, and the north-west of England, but less elsewhere.

Bright sunshine has been less prevalent than during last week in most places, the percentages of possible duration varying from 22 in "Ireland, N." to 42 in "England, N.E." and "England, S.W."

Depressions observed.—Barometric pressure has continued highest and comparatively steady over France, while over our Islands the barometer has again been influenced by depressions moving in a north-easterly direction outside of, or over, our extreme north-western and northern coasts. Southerly to Westerly winds have consequently prevailed over the United Kingdom, and, though moderate in the east and south-east, have blown freshly or strongly in the west and north, at times reaching the force of a slight gale. At the close of the period, the barometer had become highest on our west and south-west coasts, and the wind over our Islands light in force and variable in direction.

* Returns incomplete; values consequently liable to alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, May 13. <i>Weather</i> dull and unsettled on our extreme western coasts as well as on the eastern shores of the North Sea, but fine elsewhere. Rain subsequently falling at all our western and northern stations. <i>Temperature</i> fallen a few degrees in most places; readings ranging from 56° at Hurst Castle, Dover, and Jersey to 47° at Donaghadee. Highest maxima 69° at Cambridge and 68° in London. <i>Wind</i> fresh or strong from the Southward on our western coasts and also in Sweden, but light and rather Variable elsewhere. Fresh to strong Southerly gale occurring in west of Ireland later. <i>Sea</i> rough off the west of Ireland. <i>Barometer</i> rising in Great Britain and France, but falling elsewhere. Pressure highest south of France, but relatively high in Sweden, with large depression off our west coasts and small shallow disturbance over the north of Denmark. Fall of barometer subsequently taking place in all parts of our Islands.	
		Wednesday, May 14. <i>Weather</i> fair generally, but rather cloudy in most places. Showers falling at several of the eastern and southern stations during day, and rain setting in on our western coasts at night. <i>Temperature</i> changed little and irregularly; readings ranging from 57° at Cambridge to 46° in the Shetlands. <i>Wind</i> fresh or strong North-Westerly in west, but moderate South-Westerly or Southerly in north and east, and South-Easterly on eastern shores of North Sea. <i>Sea</i> rather rough on our extreme western and northern coasts. <i>Barometer</i> falling in most parts of Great Britain and Norway, but rising elsewhere. Pressure still highest south of France, with large depression off the north of Scotland and subsidiary disturbance over the Irish Sea. Both depressions moving away in a north-easterly or easterly direction later, and barometer rising generally.	
		Thursday, May 15. <i>Weather</i> dull and rainy at most of our western and northern stations, but fine elsewhere. A little rain falling later in most parts of the Kingdom. <i>Temperature</i> fallen at all but our western stations; readings ranging from 54° in the south of Ireland to 46° at Sumburgh Head and Aberdeen. <i>Wind</i> fresh South-Westerly or Westerly in our Islands, but North-Westerly in the south of France and South-Easterly in Sweden. <i>Sea</i> rough in the west and south-west, but slight in the east. <i>Barometer</i> rising at all but our extreme western and northern stations. Anticyclone, with readings above 30.4 in., lying over the Bay of Biscay, and large depression off the north of Scotland. Depression moving north-eastwards later and barometer rising in west, but slight fall taking place in east and south.	
		Friday, May 16. <i>Weather</i> fine in France, but cloudy or overcast elsewhere, with rain in the western parts of Ireland and Scotland. Rain falling later at most of the western and northern stations. <i>Temperature</i> risen a few degrees in east and south-east, fallen elsewhere; readings ranging from 60° at Loughborough and Cambridge to 45° at Sumburgh Head. Highest maxima 70° at Yarmouth, 69° at Loughborough and Cambridge, and 68° in London. <i>Wind</i> moderate North-Westerly in Scotland, but fresh Westerly or South-Westerly elsewhere. Fresh South-Westerly gales experienced in West of Ireland later in day. <i>Sea</i> rough on our western, southern, and some parts of our northern coasts. <i>Barometer</i> falling at all but the Scotch stations. Anticyclone still lying over Bay of Biscay and west of France, but depression of previous day now shown off the west of Norway. Some shallow disturbances appearing over Scotland later, causing fall of barometer in north.	

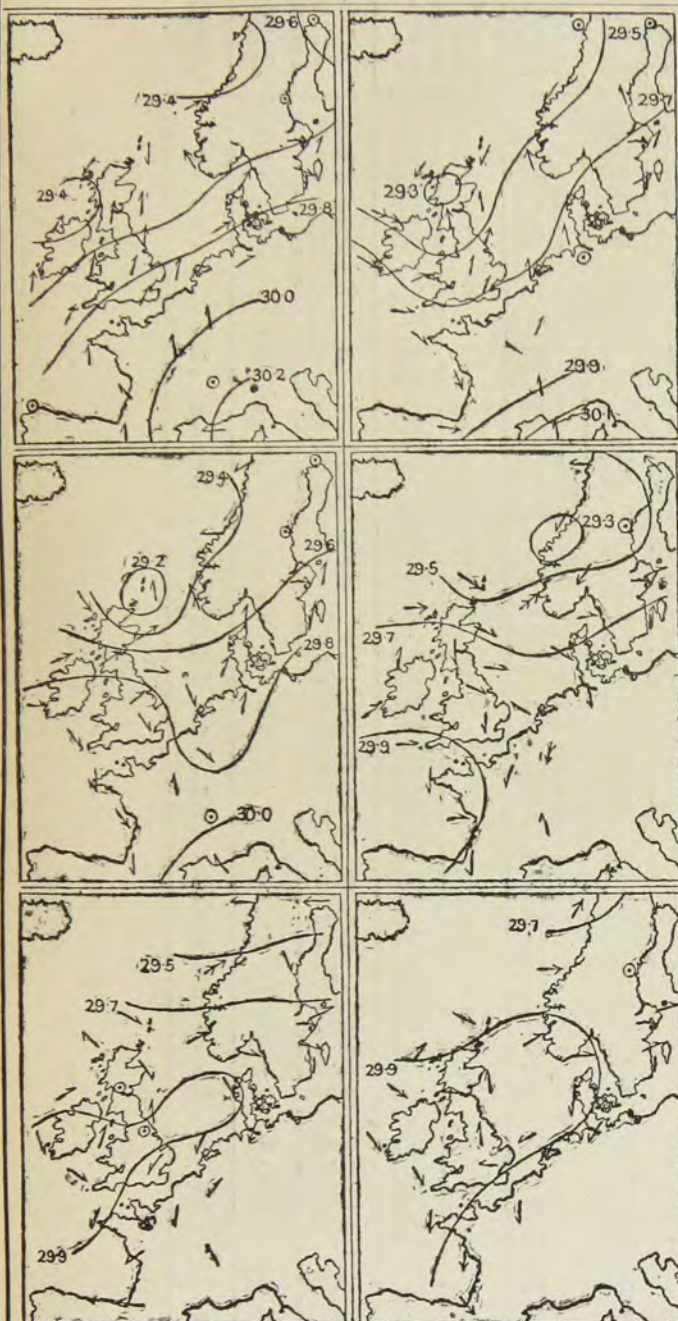
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding
8 a.m. on the dates given.

Saturday, May 17.

Weather fine in Sweden, France, and the south-east of England, but cloudy or overcast elsewhere, with rain locally. Thick fog prevailing over eastern part of channel.

Temperature fallen slightly in most parts of our Islands; readings ranging from 59° at York and Yarmouth to 42° at Stornoway. Highest maxima 75° at Cambridge, 74° in London, and 70° at Yarmouth.

Wind variable in north of Scotland, but South-Westerly or Southerly elsewhere; strong in force on some parts on our western coasts. Subsequently veering to West in west and south-west.

Sea rough on several parts of our western coasts, moderate to smooth elsewhere.

Barometer falling at all but the Scandinavian stations. Area of highest pressure now lying over the south coast of France, with depression off the west of Norway and another approaching our north-west coasts. Recovery of pressure taking place in west of Ireland later.

Sunday, May 18.

Weather fair at all but the Scotch stations, where changeable and showery. Showers falling at some of the western stations later.

Temperature risen in the south of England, but fallen several degrees elsewhere; readings ranging from 55° at Prawle Point to 42° at Stornoway. Maxima lower than of late.

Wind strong from West on our northern coasts, but light from North-West in the south, and from South-West in Sweden and Denmark. Subsequently veering to North-West in Scotland.

Sea rough on some parts of our western and northern coasts, moderate to smooth elsewhere.

Barometer rising England, Ireland, and France, but falling elsewhere. Highest pressures still lying over the south-west of France and centre of rather deep depression between the Shetlands and Orkneys. Depression moving north-eastwards later and barometer rising in Scotland.

Monday, May 19.

Weather fair in most places, but showery at some of our north-western stations, and rainy in the south-west of France. Rain falling later in some parts of Scotland, and thunderstorm occurring at Leith.

Temperature fallen in France, little changed elsewhere; readings ranging from 54° at Prawle Point and Cambridge to 41° at Sumburgh Head and Donaghadee.

Wind light or moderate in force generally—Westerly in north but Northerly and North-Easterly in south.

Sea moderate to smooth.

Barometer rising at all but the French stations. Highest pressure now found off our south-west coasts, with band of relatively high readings over England and the southern portion of the North Sea. Rise continuing all day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 77 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	52	38	50.1	40.9	45.2	- 1.2	6	0.68	+0.34	*	*
	Sornoway	53	36	50.7	39.9	45.0	- 2.2	7	2.87	+2.30	29	25
	Wick	59	36	55.4	40.0	47.2	+ 0.2	6	0.67	+0.33	*	*
1. SCOTLAND, E.	Nairn	62	37	58.1	42.0	49.5	+ 1.0	4	0.28	-0.08	*	*
	Aberdeen	65	35	58.1	42.4	49.7	+ 1.8	4	0.42	0.00	42	37
	Leith	63	35	59.0	43.6	50.8	+ 0.8	7	0.61	+0.26	*	*
2. ENGLAND, N.E.	Alnwick Castle	62	36	57.9	44.6	50.9	+ 2.3	3	0.26	?	*	*
	Shields	67	43	59.1	47.6	53.0	+ 3.8	2	0.13	-0.27	*	*
	Durham										*	*
	Scarborough										*	*
	York	68	34	62.3	45.1	53.2	+ 1.7	2	0.13	-0.27	47	42
3. ENGLAND, E.	Spurn Head	68	46	59.3	48.3	53.5	+ 2.9	2	0.10	?	*	*
	Hillington	74	39	64.6	47.0	55.3	+ 4.7	1	0.08	-0.35	43	39
	Yarmouth	70	45	60.7	48.3	54.1	+ 2.4	4	0.11	-0.31	*	*
	Geldeston	72	42	62.9	47.5	54.7	+ 2.9	2	0.07	-0.33	37	34
	Cambridge	75	43	66.1	46.9	55.9	+ 3.5	2	0.06	-0.34	40	37
4. MIDLAND COUNTIES	Rothamsted	72	41	63.8	46.3	54.5	+ 2.8	2	0.06	-0.43	*	*
	Bawtry (Hesley Hall)	70	36	64.9	45.1	54.4	+ 3.0	3	0.24	-0.21	*	*
	Loughborough	69	39	63.6	47.1	54.9	+ 2.9	2	0.09	-0.39	*	*
	Leicester	69	41	63.8	47.4	55.1	+ 3.2	4	0.29	-0.18	38	35
	Birmingham (Oscott)	67	40	61.6	45.0	52.8	+ 1.4	3	0.06	-0.47	*	*
	Cheadle	63	39	59.0	44.6	51.4	+ 0.7	2	0.38	?	*	*
	Churchstoke	65	33	60.1	42.4	50.7	- 0.2	1	0.26	?	54	49
	Hereford	71	36	66.2	44.0	54.4	+ 2.0	1	0.01	-0.44	*	*
	Cirencester	65	42	59.4	45.3	51.9	- 0.1	4	0.07	-0.41	38	35
	Oxford	68	43	62.0	47.6	54.4	+ 2.0	2	0.05	-0.39	35	32
5. ENGLAND, S.	London†	74	47	65.3	49.3	56.8	+ 3.5	1	0.05	-0.37	34	31
	Marlborough	68	40	62.7	46.0	53.8	+ 3.4	2	0.03	-0.45	40	37
	Strathfield Turgiss	72	43	65.0	46.7	55.3	+ 3.9	1	0.04	-0.34	*	*
	Dover	68	48	59.1	50.1	54.3	+ 1.9	2	0.21	-0.21	*	*
	Hastings (St. Leonard's)	68	46	58.8	48.9	53.6	+ 1.0	2	0.02	-0.38	26	24
	Southampton	66	45	62.5	48.5	55.1	+ 2.5	1	0.03	-0.39	36	34
	Hurst Castle	64	46	59.1	48.4	53.4	+ 0.8	2	0.03	-0.35	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	56	38	53.9	42.9	48.0	+ 0.9	7	2.13	?	*	*
	Glasgow	57	37	55.1	43.2	48.8	- 0.2	7	0.93	+0.45	25	22
	Ardrossan	57	38	53.4	43.9	48.4	- 0.8	7	0.81	+0.31	*	*
	Silloth (Cumberland)	60	36	56.5	44.5	50.1	- 0.8	4	1.03	+0.63	31	28
	Douglas (Isle of Man)	58	38	54.6	44.4	49.2	0.0	4	0.63	+0.21	32	29
7. ENGLAND, N.W.	Newton Reigny (Penrith)	60	32	56.6	42.5	49.1	0.0	4	0.47	?	45	40
	Barrow-in-Furness	61	42	54.7	45.9	50.0	- 1.2	3	0.44	?	*	*
	Stonyhurst	62	35	58.4	41.1	50.8	- 0.4	4	1.07	+0.52	47	42
	Blackpool	62	35	56.2	44.9	50.2	- 2.1	3	0.58	+0.18	43	39
	Manchester	63	36	60.4	43.7	51.5	- 0.5	3	0.60	+0.13	*	*
	Liverpool Obs. (Bidston)	65	41	60.1	46.6	52.9	+ 0.8	2	0.48	+0.08	*	*
	Llandudno	62	42	58.9	46.6	52.4	+ 0.1	3	0.77	+0.39	38	35
	Holyhead										*	*
8. ENGLAND, S.W.	Pembroke	53	45	52.3	47.3	49.7	- 2.0	5	0.11	-0.36	39	36
	Arlington (N. Devon)	63	35	56.7	42.3	49.0	- 2.5	3	0.35	?	*	*
	Cullompton	64	33	61.4	43.7	52.0	- 0.8	2	0.04	?	50	46
	Falmouth	60	44	57.0	46.9	51.6	- 0.8	2	0.21	-0.47	48	45
	Plymouth	64	40	59.9	46.7	52.9	- 0.7	2	0.12	-0.37	43	40
	Prawle Point	60	40	55.6	44.0	49.9	- 1.8	2	0.09	?	*	*
9. IRELAND, N.	Londonderry	62	39	57.2	43.0	49.7	- 0.8	7	0.91	+0.39	*	*
	Mullaghmore	57	44	54.0	47.9	50.8	- 0.9	6	1.72	?	*	*
	Markree Castle	59	34	55.0	41.8	48.0	- 3.5	7	0.85	?	28	25
	Brookeborough	58	32	55.7	41.1	48.0	- 3.3	5	1.63	?	*	*
	Armagh	61	38	57.0	43.6	49.9	- 1.1	6	1.13	+0.73	20	18
	Donaghadee	63	36	56.6	43.1	49.4	- 1.1	7	1.03	+0.55	*	*
10. IRELAND, S.	Dublin	64	40	59.8	46.3	52.6	+ 1.0	4	0.53	+0.13	31	28
	Parsonstown	63	35	57.3	41.6	50.6	- 1.3	7	0.59	+0.09	28	25
	Kilkenny (The Castle)	70	37	64.3	45.0	54.2	+ 2.1	4	0.26	?	*	*
	Waterford	60	33	58.1	43.4	50.3	- 2.3	4	0.22	-0.32	*	*
	Roche's Point	61	42	57.0	47.7	52.1	- 0.7	4	0.64	-0.11	*	*
	Valencia	57	40	55.1	47.6	51.1	- 0.7	7	1.04	+0.39	33	30
CHANNEL ISLANDS	Foynes	63	37	55.6	42.4	48.6	- 2.9	5	0.50	?	*	*
	Scilly (St. Mary's)	59	46	56.4	48.0	51.9	- 1.1	2	0.12	-0.27	*	*
	Jersey (Noirmont)	63	47	58.1	48.1	52.8	- 0.8	5	0.10	-0.30	41	39

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

ERRATUM.—In the Report for Week ending May 12th the number of hours of bright sunshine at Hastings should be 60, and the percentage of possible duration 57.

Note.—The observations at Holyhead are interrupted in consequence of the death of the observer.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 21.]
New Series.

WEEK ENDING MONDAY, 26TH MAY, 1884.

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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 84.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	68	35	55.7	43.0	48.9	1 above.	Day deg. 48	Day deg. 344	Day deg. 0	Day deg. 395
	1. SCOTLAND, EAST	73	36	59.9	43.4	51.2	1 above.	64	519	0	380
	2. ENGLAND, N.E.*	75	36	61.1	43.6	51.9	1 above.	69	546	0	282
	3. ENGLAND, EAST	81	32	65.7	43.0	53.6	1 above.	81	706	0	318
	4. MIDLAND COUNTIES	80	31	68.2	41.8	54.2	1 above.	86	706	1	322
	5. ENGLAND, SOUTH	83	33	67.8	45.8	56.1	3 above.	99	784	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	74	35	61.8	43.9	52.3	2 above.	72	538	0	231
	7. ENGLAND, N.W.	85	34	64.6	44.4	53.9	1 above.	83	589	0	254
	8. ENGLAND, S.W.	76	31	63.6	46.5	54.5	1 above.	88	723	0	105
	9. IRELAND, NORTH	74	33	62.1	45.1	53.1	1 above.	78	623	0	241
	10. IRELAND, SOUTH	75	34	63.3	46.9	54.6	1 above.	78	800	0	127
	— CHANNEL ISLANDS	74	45	63.5	50.8	56.8	2 above.	104	863	0	9

DISTRICTS. (See p. 84.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	10ths of In. 2	10ths of In. 2 less.	100	Ins. 16.7	54	449	45	24
	1. SCOTLAND, EAST	1	2	2 less.	81	9.0	45	482	38	27
	2. ENGLAND, N.E.*	1	1	4 less.	74	9.1	80	453	70	24
	3. ENGLAND, EAST	0	—	4 less.	68	6.5	84	546	75	29
	4. MIDLAND COUNTIES	1	less than 1	5 less.	70	9.6	70	472	63	25
	5. ENGLAND, SOUTH	1	1	3 less.	70	9.4	68	482	62	26
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	2	1	3 less.	97	31.2	66	411	58	22
	7. ENGLAND, N.W.	0	—	5 less.	81	14.4	76	433	67	22
	8. ENGLAND, S.W.	1	3	2 less.	86	15.5	66	499	60	26
	9. IRELAND, NORTH	1	1	4 less.	99	17.0	39	398	34	22
	10. IRELAND, SOUTH	1	2	4 less.	94	19.0	53	481	47	25
	— CHANNEL ISLANDS	1	1	3 less.	86	11.9	80	693	74	38

General Remarks.

Weather has been characterized by very fine warm days and clear cold nights. Towards the end of the period, however, the conditions over our southern counties became less settled, rain falling and lightning occurring in many places.

Temperature has varied greatly, and on the whole has been little higher than the mean. The maxima were very high, those recorded on the 23rd or 24th were as high as 85° in "England, N.W.," 83° in "England, S.W.," 81° in "England, E.," 80° in the "Midland Counties," and between 73° and 76° in most other districts. The minima were low; those registered on the 21st were as low as 31° over the "Midland Counties" and "England, S.W.," 32° in "England, E.," and from 33° to 36° in nearly all other districts. The range of temperature was, therefore, very large everywhere, and at Newton Reigny on Friday the sheltered thermometer, after falling to 38° in the early morning, rose rapidly and reached 85° by 3.20 P.M., giving a range of 47° in about 12 hours. At 3.40 P.M. (the dry bulb being 85°), the wet bulb reading was 68°, showing a difference of 27°.

Rainfall has been less than the mean in all districts. Over the greater part of the Kingdom there has been hardly any fall at all.

Bright sunshine shows a very considerable increase in duration, the percentage of the possible number of hours varying from 34 in "Ireland, N." and 38 in "Scotland, E.," to 67 in "England, N.W.," 70 in "England, N.E.," 74 in the "Channel Islands," and 75 in "England, E."

Depressions observed.—Pressure has been high and comparatively steady over the whole of our Islands and their neighbourhood, the only depressions which affected the wind or weather on our coasts being some small thunder-storm disturbances over France and our southern counties on the 25th. The wind has been light or moderate from the Eastward in the south and south-east during the whole period, and, after blowing moderately or freshly from the Southward in the west and north during the earlier part of the week, finally became Easterly there also.

* The accumulated values (Since Jan. 1) for this district have been altered a little in consequence of the receipt of some arrears of observations.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER	
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.	
		Tuesday, May 20. <i>Weather</i> at 8h. A.M. fair generally, but slight hail showers at Ardrossan, and a little rain at Helder and Rochefort. Thunder showers occurring at some of the Scotch stations during the day. <i>Temperature</i> risen a little in most places; readings ranging from 56° at Prawle Point to 46° in the Hebrides and Shetlands. Daily maxima low; sharp frost at English stations during night, the thermometer on the grass falling to 25° at Oxford, and to 29° at Loughborough and in London. <i>Wind</i> light or moderate in force generally; Westerly or North-Westerly in the north, but Northerly and North-Easterly in the south. Southerly breezes appearing at some of the western stations subsequently. <i>Sea</i> rough on French side of the Straits of Dover, slight or smooth elsewhere. <i>Barometer</i> risen very generally. Area of high pressure off our south-west coasts, and depression passing away over north of Scandinavia. Rise continuing all day.		
		Wednesday, May 21. <i>Weather</i> dull and misty in extreme west and north-west, fine elsewhere. Some rain falling later in Scotland, but weather remaining dry over Ireland and England. <i>Temperature</i> risen in most places; readings ranging from 55° in the south of England to 48° in the Shetlands and Hebrides. Highest maxima 68° in London and at Cambridge, 67° at Loughborough, and 65° at Oxford. <i>Wind</i> Easterly in the south and west of France, but Southerly on our western and northern coasts, and North-Westerly in Norway. Light or moderate in force generally, but blowing a moderate gale at Valencia. Wind freshening considerably during day from Southward on the western coasts of Ireland and Scotland. <i>Sea</i> rough at Valencia, slight or smooth elsewhere. <i>Barometer</i> rising steadily in most places. Anticyclone now lying over the south-east of England and north of France, but travelling eastwards. Slight fall taking place in north-west later.		
		Thursday, May 22. <i>Weather</i> dull in extreme west and north, but fine elsewhere. Slight rain falling in Shetlands and Hebrides subsequently, but weather still dry in other places. <i>Temperature</i> risen generally, especially in Scotland; the 8h. A.M. readings ranging from 59° in London and at several Scotch stations to 51° at Sumburgh Head, Stornoway, and Ardrossan. Highest maxima 74° at Loughborough, York, and Cambridge, 73° at Aberdeen, and 71° in London. <i>Wind</i> strong Easterly in France, light Easterly in the south of England, but light or moderate from South or South-West in the west and north. <i>Sea</i> still rough at Valencia; moderate to slight elsewhere. <i>Barometer</i> risen at all but the French stations. Anticyclone transferred from our south-eastern counties to the Netherlands and North Germany; slight depressions passing away to the northward of Scotland. Fall taking place over the southern and western districts later on.		
		Friday, May 23. <i>Weather</i> fine and bright in almost all places. Lightning seen at the extreme southern stations during the night. <i>Temperature</i> again risen a little in most places; morning readings ranging from 63° at Aberdeen and Valencia to 52° at Sumburgh Head and Parsonstown. Highest maxima 79° at Cambridge, 77° at Oxford, 76° in London, and 71° at Nairn and Aberdeen. <i>Wind</i> moderate or light Easterly, except in Scotland and Scandinavia, where South-Westerly breezes prevail. Becoming very variable in course of day. <i>Sea</i> moderate to smooth. <i>Barometer</i> fallen in most places. Anticyclone now lying over Denmark and North Germany, and large depression off west of Norway. Mercury falling slowly all day.		

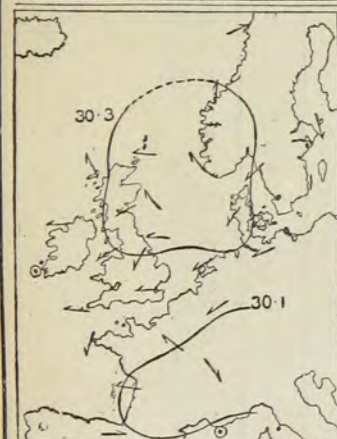
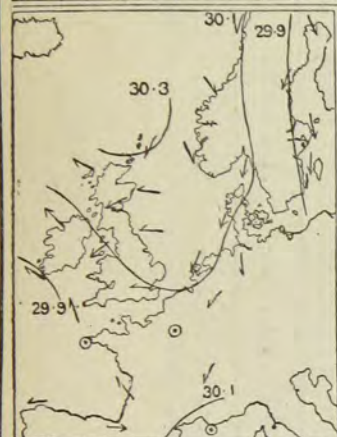
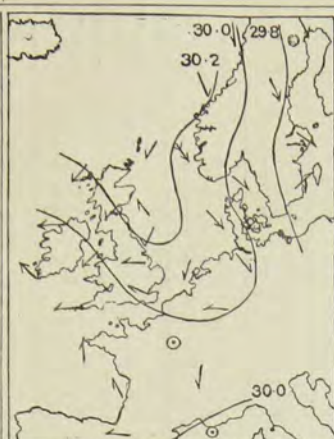
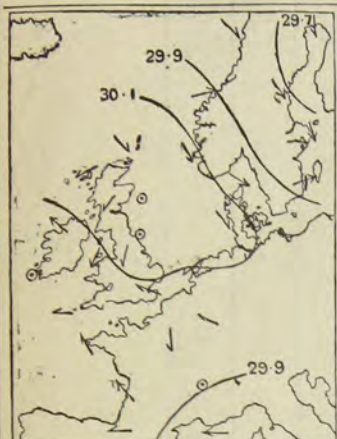
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, May 24.

Weather very foggy in Scotland, and cloudy in extreme south-west, but continuing very fine elsewhere. Lightning seen again over the southern districts at night.

Temperature fallen considerably in Scotland, risen in most other places. Readings ranging from 63° at Liverpool to 47° at Wick. Highest maxima 81° at Cambridge and in London, 79° at Oxford, and 77° at Loughborough.

Wind fresh or strong from North-West in Scandinavia and Denmark, variable in Scotland, but light or moderate from the Eastward elsewhere.

Sea moderate to smooth.

Barometer fallen at all but the northern stations. Large depression off west of Norway yesterday passed away in south-easterly direction, and anticyclone transferred from Norway to Scotland. Very little change during day.

Sunday, May 25.

Weather cloudy or overcast, with mist in many places. Rain falling later at a few of the southern and western stations.

Temperature fallen, except in north of Scotland; readings ranging from 60° at Valencia to 47° in the Shetlands. Maximum temperature in London only 58°.

Wind moderate from the Eastward very generally, but blowing rather strongly at some of the western stations, drawing generally into South-East or South in the west during the day.

Sea rather rough at Mullaghmore, moderate in the west, slight or smooth elsewhere.

Barometer rising steadily. Anticyclone now covering Scotland, the north-east of England, and the greater part of the North Sea. Pressure lowest off south-western coasts and over the Baltic. Scarcely any change during the day.

Monday, May 26.

Weather becoming finer in most places, but slight rain falling at Mullaghmore.

Temperature inclined to rise again at the English stations, but little changed elsewhere; readings ranging from 48° over the northern counties of England to 58° in London. Sheltered thermometer falling to 41° at several inland stations during night, to 38° at York, 36° at Cambridge, and that on the grass in London to 34°.

Wind light or moderate from the North-Eastward over England, and from the South-Eastward in Scotland, Southerly breezes reported from Norway.

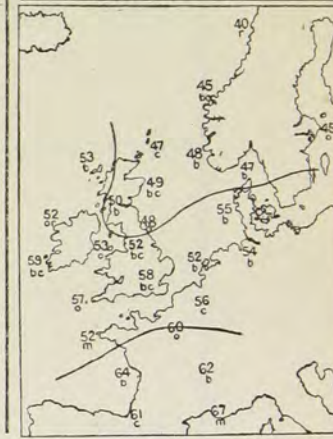
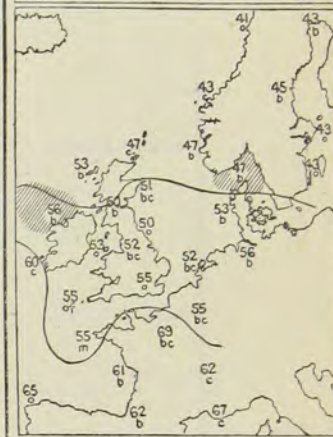
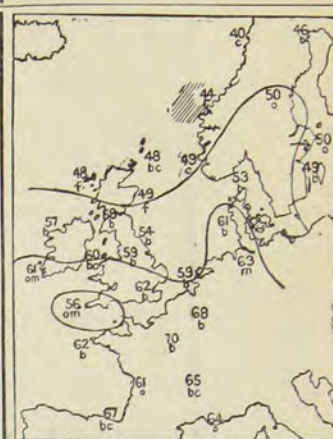
Sea moderate to smooth.

Barometer risen. Anticyclone covering the west of Norway, the North Sea, Scotland, and the north of England. Pressure still lowest over France and to the westward of Ireland. Rise of barometer ceasing in the west in the course of the day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 81 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	55	37	51.7	41.4	46.1	-1.4	2	Inches. 0.24	Inches. -0.08	*	*
	Stornoway	65	35	57.4	43.4	50.0	+1.8	4	0.25	-0.35	54	45
	Wick	68	36	58.0	44.3	50.7	+2.9	2	0.23	-0.10	*	*
1. SCOTLAND, E.	Nairn	71	38	60.7	44.4	52.1	+2.3	2	0.25	-0.15	*	*
	Aberdeen	73	38	59.0	44.1	51.1	+2.1	2	0.22	-0.20	45	38
	Leith	70	36	59.9	41.7	50.3	-0.9	0	—	-0.37	*	*
2. ENGLAND, N.E.	Alnwick Castle	67	39	57.7	43.6	50.2	+0.5	2	0.24	?	*	*
	Shields	63	39	59.7	43.7	51.2	+1.0	0	—	-0.40	*	*
	Durham	75	36	65.1	41.0	52.3	+1.3	0	—	-0.48	72	63
	Scarborough	70	41	59.2	45.0	51.7	+0.5	2	0.09	-0.36	*	*
	York	75	36	67.4	41.3	53.9	+2.1	0	—	-0.41	87	77
3. ENGLAND, E.	Spurn Head	67	45	57.7	47.0	51.9	+0.2	0	—	?	*	*
	Hillington	78	33	68.9	42.2	54.8	+3.2	0	—	-0.44	85	76
	Yarmouth	60	43	57.0	47.7	51.9	-0.6	1	0.01	-0.43	*	*
	Geldeston	63	38	63.1	43.3	52.6	-1.0	0	—	-0.40	84	76
	Cambridge	81	35	71.3	40.6	55.0	+1.8	0	—	-0.40	82	74
4. MIDLAND COUNTIES	Rothamsted	79	32	68.4	41.1	53.9	+0.5	1	0.01	-0.48	*	*
	Bawtry (Hesley Hall)	78	34	69.9	39.4	53.7	+0.8	0	—	-0.47	*	*
	Loughborough	80	32	70.3	40.9	54.7	+1.3	0	—	-0.49	*	*
	Leicester	80	35	70.2	42.7	55.6	+2.7	0	—	-0.47	74	66
	Birmingham (Oscott)	76	37	68.0	43.0	54.8	+1.8	0	—	-0.55	*	*
	Cheadle	73	36	65.2	43.5	53.7	+1.5	0	—	?	*	*
	Churchstoke	75	32	66.0	39.3	51.9	-0.1	1	0.01	?	73	65
	Hereford	78	31	69.2	41.7	54.6	+1.2	2	0.06	-0.39	*	*
	Cirencester	76	31	66.7	41.9	53.6	+0.4	1	0.05	-0.43	64	58
5. ENGLAND, S.	Oxford	79	38	68.4	44.1	55.5	+2.1	1	0.01	-0.44	69	62
	London†	81	39	69.3	46.3	57.1	+2.3	1	0.02	-0.43	64	58
	Marlborough	78	33	69.3	41.6	54.6	+2.9	2	0.02	-0.48	65	59
	Stratfield Turgiss	83	34	71.8	40.1	55.0	+2.2	0	—	-0.40	*	*
	Dover	70	44	61.9	50.3	55.8	+1.9	0	—	-0.42	*	*
	Hastings (St. Leonard's)	76	45	67.4	50.2	58.3	+4.4	1	0.01	-0.39	76	69
	Southampton	77	38	69.8	45.2	56.8	+2.8	1	0.27	-0.16	66	60
6. SCOTLAND, W.	Hurst Castle	72	40	65.0	46.6	55.3	+1.7	1	0.49	+0.09	*	*
	Laudale (Loch Sunart)	71	39	61.6	44.6	52.6	+2.9	3	0.53	?	*	*
	Glasgow	70	37	60.8	43.7	51.7	+1.8	2	0.05	-0.48	52	45
	Ardrossan	69	40	61.3	44.7	52.5	+1.9	2	0.06	-0.44	*	*
	Silloth (Cumberland)	74	35	64.8	41.9	52.7	+0.7	1	0.02	-0.40	72	63
	Douglas (Isle of Man)	69	38	60.4	44.4	51.9	+1.3	0	—	-0.40	74	65
7. ENGLAND, N.W.	Newton Reigny (Penrith)	85	34	65.5	40.1	52.0	+1.8	0	—	?	88	77
	Barrow-in-Furness	72	43	63.9	47.7	55.3	+2.9	0	—	?	*	*
	Stonyhurst	72	36	65.1	42.1	52.9	+0.3	0	—	-0.60	82	73
	Blackpool	74	38	64.3	42.7	52.9	-0.5	0	—	-0.42	66	58
	Manchester	74	36	65.6	40.8	52.5	-0.8	0	—	-0.50	*	*
	Liverpool Obs. (Bidston)	74	39	66.1	46.3	55.6	+2.5	0	—	-0.40	*	*
	Llandudno	71	42	62.6	47.0	54.3	+0.7	0	—	-0.40	66	59
8. ENGLAND, S.W.	Holyhead	70	44	63.9	48.4	55.7	+3.0	1	0.04	-0.35	*	*
	Pembroke	69	43	60.3	48.7	54.2	+1.3	2	0.02	+0.16	67	60
	Arlington (N. Devon)	75	32	65.3	43.6	53.5	+0.6	1	0.13	?	*	*
	Cullompton	76	31	67.7	41.1	53.6	-0.6	2	0.37	?	60	55
	Falmouth	63	43	59.7	49.7	54.4	+0.9	0	—	-0.65	71	65
	Plymouth	74	37	66.4	47.8	56.5	+2.1	1	0.24	-0.23	67	61
9. IRELAND, N.	Prawle Point	70	41	62.3	47.9	54.7	+2.0	1	0.41	?	*	*
	Londonderry	74	38	64.9	46.1	54.9	+3.4	1	0.04	-0.51	*	*
	Mullaghmore	68	42	60.7	48.6	54.3	+1.5	1	0.06	?	*	*
	Markree Castle	72	38	63.0	45.3	53.6	+0.9	2	0.21	?	35	31
	Brookeborough	72	33	62.4	44.1	52.7	+0.2	0	—	?	*	*
	Armagh	68	38	63.1	43.6	52.8	+0.6	1	0.04	-0.36	42	37
10. IRELAND, S.	Donaghadee	64	39	58.7	43.1	50.4	-1.0	1	0.08	-0.38	*	*
	Dublin	67	39	61.3	47.6	54.0	+1.3	3	0.31	-0.10	52	46
	Parsonstown	75	34	65.0	44.3	54.0	+1.1	2	0.46	-0.05	52	46
	Kilkenny (The Castle)	—	—	—	—	—	—	—	—	—	*	*
	Waterford	74	36	63.2	44.3	53.2	-0.8	2	0.55	+0.02	*	*
	Roche's Point	67	41	61.1	47.9	54.1	0.0	0	—	-0.75	*	*
	Valencia	74	41	63.4	48.4	55.5	+2.7	0	—	-0.70	54	49
CHANNEL ISLANDS	Foynes	75	42	65.7	48.8	56.7	+4.0	1	0.02	?	*	*
	Silly (St. Mary's)	62	46	60.3	50.4	55.1	+1.2	0	—	-0.38	*	*
	Jersey (Noirmont)	74	46	66.6	51.1	58.4	+3.6	1	0.22	-0.17	80	74

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 22.]
New Series.

WEEK ENDING MONDAY, 2ND JUNE, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 88.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	62	34	53.9	42.6	48.0	1 below.	Day deg. 42	Day deg. 386	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	68	35	56.8	43.7	49.8	2 below.	55	574	0	380
	2. ENGLAND, N.E.*	65	38	55.4	44.4	49.6	3 below.	53	599	0	282
	3. ENGLAND, EAST	67	35	58.5	43.0	50.3	4 below.	58	764	0	318
	4. MIDLAND COUNTIES	70	33	60.0	41.7	50.3	4 below.	57	762	1	322
	5. ENGLAND, SOUTH	70	34	61.8	44.9	52.9	2 below.	76	850	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST*	67	41	59.5	45.0	51.9	0 (average)	69	607	0	231
	7. ENGLAND, N.W.	69	36	59.1	43.4	50.7	3 below.	61	650	0	254
	8. ENGLAND, S.W.	68	37	59.7	47.0	53.0	2 below.	77	800	0	105
	9. IRELAND, NORTH	72	36	61.1	43.8	51.9	2 below.	70	693	0	241
	10. IRELAND, SOUTH	69	36	61.0	44.8	52.4	2 below.	73	873	0	127
	— CHANNEL ISLANDS	65	42	59.0	48.8	53.6	2 below.	81	944	0	9

DISTRICTS. (See p. 88.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	1	10ths of In. 2	10ths of In. 3 less.	101	16.9	48	497	40	25
	1. SCOTLAND, EAST	0	less than ½	4 less.	81	9.0	39	521	33	27
	2. ENGLAND, N.E.*	0	—	5 less.	74	9.1	34	487	30	24
	3. ENGLAND, EAST	0	—	5 less.	68	6.5	39	585	34	30
	4. MIDLAND COUNTIES	0	—	5 less.	70	9.6	33	505	29	25
	5. ENGLAND, SOUTH	1	less than ½	4 less.	71	9.5	44	526	39	27
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST*	2	2	2 less.	99	31.4	44	455	37	23
	7. ENGLAND, N.W.	0	less than ½	5 less.	81	14.4	43	476	37	23
	8. ENGLAND, S.W.	1	2	3 less.	87	15.7	50	549	45	27
	9. IRELAND, NORTH	1	3	2 less.	100	17.3	50	448	43	23
	10. IRELAND, SOUTH	2	3	3 less.	96	19.3	52	523	46	26
	— CHANNEL ISLANDS	3	12	8 more.	89	13.1	70	763	64	39

General Remarks.

Weather during this period has been on the whole cold, and often very cloudy; the air has been dry and searching, and at times frost has occurred on the ground. The winds have been mainly north-easterly or easterly, but towards the end of the week they shifted somewhat suddenly to the south-westward, and occasionally blew strongly on some parts of our northern and north-western coasts.

Temperature has not varied much. It has been below the average by 3° or 4° over England, by 1° or 2° in Scotland, and by about 2° in Ireland. The highest readings occurred over England on the 27th, and in the west of Ireland the maximum values (70° to 72°) were registered on the 27th or 28th, when the sky was clear, and a moderate breeze from the eastward carried the warm air from the inland to the western coast stations. The lowest of the daily minima (33 to 35°) were registered in England early on June 1st. The range has been somewhat large.

Rainfall has been deficient over Great Britain and Ireland. In England there has been none, but in the Channel Islands a considerable quantity

fell during the earlier and later days of the week, at which time local disturbances were observed about the mouth of the Channel.

Bright sunshine has been deficient, especially at the midland and eastern stations, where the amounts recorded are about one-third of what they would have been had the sun shone brightly all the while he was above the horizon. In the Channel Islands, however, the percentage was 64.

Depressions observed.—These have been very slight, so far as depth is concerned; but, as before noted, the shallow one which appeared over the Bay of Biscay between the 27th and 29th, caused a large fall of rain in the Channel Islands and the west of France; and those which came over our western coasts at the end of the period gave a moderate fall at the western stations, and a large fall in the Channel Islands, besides bringing about a complete (though temporary) change of wind in all districts.

* Returns incomplete; values consequently liable to some alteration.

Erratum.—In Report No. 10, 1884, p. 37, for Ireland, South, the number of hours of bright sunshine since January 1 should be 102, not 112; the corresponding values in each of the subsequent numbers are consequently 10 too high. Those in the present number are correct.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
-8 a.m.	6 p.m.		
		Tuesday, May 27. <i>Weather</i> cold and unseasonable, especially over the inland parts of our northern counties; sky cloudy or overcast in many places, clear in others; air dry and searching. Rain and lightning at the mouth of the Channel at night. <i>Temperature</i> at 8h. A.M. as low as 43° at York, 47° to 53° over other parts of Great Britain, but higher in Ireland. Thermometer rising to between 65° and 70° in many places during the afternoon, but falling fast again as night approached. <i>Wind</i> nearly Calm in Scotland, moderate North-Easterly over our eastern counties, Easterly in the south and west. <i>Sea</i> moderate in the Channel and also in the far north, smooth elsewhere. <i>Barometer</i> highest (30°3 ins. to 30°4 ins.) over Great Britain and the North Sea, lowest to the south-westward of our Islands and over western Russia.	
		Wednesday, May 28. <i>Weather</i> still more unseasonable and cold, sky more generally clouded except in the far west. Much rain in the west of France during the day. <i>Temperature</i> fallen generally over England and France, the daily maxima not exceeding 54° in London and 55° at York, but reaching 64° at Ardrossan, 68° at Mullaghmore, and 69° at Valencia during the afternoon. <i>Wind</i> fallen Light in Ireland, little changed elsewhere; air still very unpleasant over England. <i>Sea</i> rather rough in the south-west, moderate to smooth elsewhere. <i>Barometer</i> highest in north and north-east, lowest over the Bay of Biscay on the one hand, and over the Baltic on the other. Pressure decreasing very slightly.	
		Thursday, May 29. <i>Weather</i> still dull, gloomy, and cold over Great Britain; fine and warmer in Ireland. Air remaining very dry, except in the west of France—where rain again fell decidedly. <i>Temperature</i> remaining very low over Great Britain and Central Ireland. Rising during the day to only about 55° over our inland counties, but to 64° at Mullaghmore and 67° at Valencia. <i>Wind</i> moderate from the North-Eastward over England, Ireland, and France; light in the north, except at Stornoway, where it was locally fresh. <i>Sea</i> rather rough at Scilly; moderate in the Channel; smooth elsewhere. <i>Barometer</i> still highest in north, lowest in the south-west. Pressure beginning to give way later, and the high pressure area becoming less clearly defined.	
		Friday, May 30. <i>Weather</i> less cloudy and somewhat warmer over England in consequence. In the west of Ireland, however, the opposite change occurred. Slight rain at Sumburgh Head later on. <i>Temperature</i> risen over England, where the maxima recorded inland varied from 62° to 66°; maxima in Ireland lower than of late. <i>Wind</i> Calm in Ireland, very Light in Scotland (fresh again at Stornoway), but moderate North-Easterly over England and France. North-Westerly breeze appearing at Sumburgh Head later. <i>Sea</i> moderate to smooth. <i>Barometer</i> falling slowly. The anticyclone becoming still less clearly defined and moving a little to the south-westward. Gradients for north-easterly winds growing slighter.	

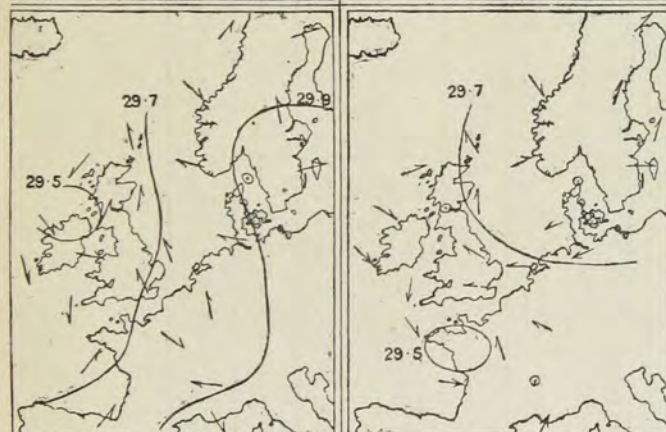
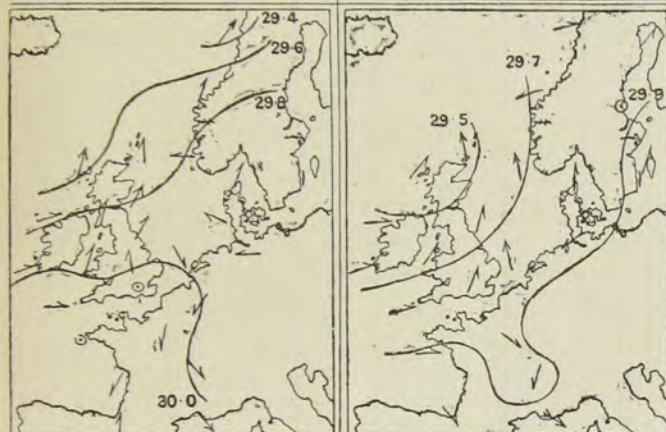
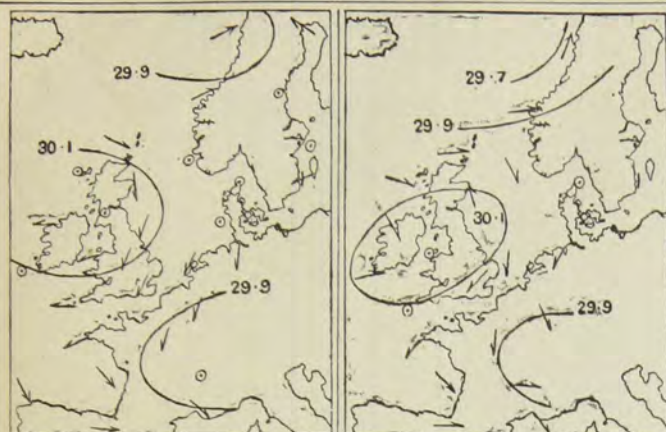
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, May 31.

Weather fair generally, but cold; hazy in several places, and quiet everywhere. Rain falling at Stornoway and in the west of Norway later on.

Temperature little changed at first, but rising to 60° at Nairn and 60° to 64° over our North Midlands later on. Very low in London all day, where the maximum was only 56°.

Wind again very light or calm except in the more southern parts of the Kingdom, and lulling even there later on. Southerly and Westerly breezes appearing in the far north later, subsequently spreading and freshening considerably.

Sea very little disturbed.

Barometer falling slowly at first, afterwards falling fast, especially in the north. Anticyclone in north-west beginning to move southwards.

Sunday, June 1.

Weather completely changed; the amount of cloud very variable, but air becoming softer and milder than of late. Rain falling subsequently in the west and north-west.

Temperature risen somewhat, but irregularly; only rising to between 60° and 65°, however, even at our inland stations during the day.

Wind at 8h. A.M. South-Westerly and Westerly except in the south, to which parts, however, the South-Westerly wind subsequently extended. Great freshening of wind from South-West and South-East for a time at some northern localities during the morning.

Sea rather rough in north-west and extreme west, very little disturbed elsewhere.

Barometer now highest in south and south-west, lowest in north. Depression near Bodo and another approaching Stornoway. Pressure decreasing quickly everywhere.

Monday, June 2.

Weather fair at first, then cloudy and showery in the west and south-west, but fine in the north-east and east. Rainfall very heavy (1.2 in.) at Jersey.

Temperature little changed at first, but rising to between 65° and 68° over the inland parts of England during the day; maxima in Ireland 53° to 58°.

Wind light in force: back to South over Great Britain, but round to North again in Ireland and over St. George's Channel, as well as at Stornoway. Subsequently backing round to the Eastward over England.

Sea very little disturbed.

Barometer highest on eastern shores of the North Sea. The depression near Bodo disappeared and mercury rising there fast. The other depression in the north-west growing shallow, and a new (subsidiary) one appearing over the Bristol Channel at 8h. A.M. and moving south-eastwards; its centre over Brittany at 6h. P.M.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 85 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head - - -	54	34	51.1	41.0	45.8	- 2.7	1	0.01	- 0.36	*	*
	Stornoway - - -	62	40	55.0	42.1	48.2	- 1.2	2	0.53	- 0.10	48	40
	Wick - - -	58	42	55.7	44.7	49.9	+ 0.7	0	—	- 0.35	*	*
1. SCOTLAND, E.	Nairn - - -	68	35	57.7	43.3	50.1	- 1.5	1	0.02	- 0.39	*	*
	Aberdeen - - -	60	36	55.3	43.4	49.0	- 1.5	0	—	- 0.43	39	33
	Leith - - -	66	41	57.3	44.3	50.4	- 2.2	0	—	- 0.36	*	*
2. ENGLAND, N.E.	Alnwick Castle - - -	62	38	54.0	43.7	48.5	- 2.8	0	—	?	*	*
	Shields - - -	64	39	53.6	44.3	48.7	- 2.7	0	—	- 0.40	*	*
	Durham - - -	—	—	—	—	—	—	—	—	—	—	—
	Scarborough - - -	65	40	54.9	45.2	49.8	- 2.6	0	—	- 0.46	*	*
3. ENGLAND, E.	York - - -	65	38	53.4	42.7	50.6	- 3.6	0	—	- 0.48	34	30
	Spurn Head - - -	64	44	55.1	46.0	50.3	- 2.8	0	—	?	*	*
	Hillington - - -	67	36	59.8	42.1	50.4	- 2.7	0	—	- 0.46	39	34
	Yarmouth - - -	57	46	55.0	47.4	51.0	- 2.6	0	—	- 0.46	*	*
4. MIDLAND COUNTIES	Geldeston - - -	62	41	57.2	43.6	50.0	- 5.0	0	—	- 0.41	42	37
	Cambridge - - -	67	36	61.1	41.6	50.8	- 3.6	0	—	- 0.44	36	32
	Rothamsted - - -	65	35	59.6	40.5	49.5	- 5.9	0	—	- 0.50	*	*
	Bawtry (Hesley Hall) - - -	70	34	63.0	42.6	52.2	- 2.3	0	—	- 0.50	*	*
5. ENGLAND, S.	Loughborough - - -	76	33	62.0	42.4	51.6	- 3.5	0	—	- 0.51	*	*
	Leicester - - -	69	34	60.8	41.9	50.8	- 3.6	0	—	- 0.47	28	25
	Birmingham (Oscott) - - -	66	39	58.5	41.7	49.6	- 4.8	0	—	- 0.56	*	*
	Cheadle - - -	63	40	56.9	41.9	49.0	- 4.6	0	—	?	*	*
6. SCOTLAND, W.	Churchstoke - - -	66	34	58.8	39.4	48.5	- 5.0	0	—	?	42	37
	Hereford - - -	68	35	61.9	42.2	51.5	- 3.5	0	—	- 0.47	*	*
	Cirencester - - -	65	33	58.9	40.9	49.5	- 5.3	0	—	- 0.50	29	26
	Oxford - - -	66	38	59.1	42.6	50.4	- 4.7	0	—	- 0.45	30	27
7. ENGLAND, N.W.	London† - - -	68	44	61.6	45.7	53.2	- 3.4	0	—	- 0.45	32	29
	Marlborough - - -	67	35	59.7	40.9	49.8	- 3.4	0	—	- 0.50	29	26
	Strathfield Turgiss - - -	70	34	64.0	39.8	51.2	- 3.0	0	—	- 0.41	*	*
	Dover - - -	61	46	58.6	48.9	53.5	- 1.9	1	0.01	- 0.40	*	*
8. ENGLAND, S.W.	Hastings (St. Leonard's) - - -	67	47	62.4	47.8	54.7	- 0.6	1	0.01	- 0.39	60	54
	Southampton - - -	70	41	64.2	44.7	53.9	- 1.6	1	0.01	- 0.42	54	48
	Hurst Castle - - -	67	43	62.1	46.3	53.7	- 1.4	1	0.03	- 0.37	*	*
	Laudale (Loch Sunart) - - -	66	43	59.3	44.9	51.7	+ 0.9	2	?	?	*	*
9. IRELAND, N.	Glasgow - - -	65	41	58.4	45.3	51.5	- 0.4	2	0.34	- 0.25	34	29
	Ardrossan - - -	67	42	59.0	45.6	51.9	- 0.4	2	0.14	- 0.40	*	*
	Silloth (Cumberland) - - -	67	41	61.3	44.3	52.3	- 1.2	0	—	- 0.47	46	39
	Douglas (Isle of Man) - - -	?	?	?	?	?	?	?	?	?	51	44
10. IRELAND, S.	Newton Reigny (Penrith) - - -	69	36	59.6	42.3	50.4	- 1.5	0	—	?	56	48
	Barrow-in-Furness - - -	66	43	60.1	45.4	52.3	- 1.5	0	—	?	*	*
	Stonyhurst - - -	65	37	60.1	42.1	50.6	- 3.2	0	—	- 0.65	38	33
	Blackpool - - -	63	36	59.1	39.6	48.8	- 5.9	0	—	- 0.44	34	30
CHANNEL ISLANDS	Manchester - - -	64	37	57.8	41.7	49.3	- 5.6	0	—	- 0.53	*	*
	Liverpool Obs. (Bidston) - - -	67	41	60.6	44.4	52.0	- 2.5	0	—	- 0.41	*	*
	Llandudno - - -	62	42	56.7	44.8	50.4	- 4.7	1	0.17	- 0.24	43	38
	Holyhead - - -	65	43	58.4	45.9	51.8	- 2.0	1	0.15	- 0.24	*	*
1. ENGLAND, S.W.	Pembroke - - -	62	43	57.0	47.4	51.9	- 2.3	2	0.11	- 0.36	62	55
	Arlington (N. Devon) - - -	66	38	59.6	43.9	51.3	- 3.1	1	0.05	?	*	*
	Cullompton - - -	68	37	62.7	44.2	52.9	- 2.5	1	0.06	?	49	44
	Falmouth - - -	62	48	57.9	50.1	53.8	- 1.1	2	0.39	- 0.25	43	39
2. ENGLAND, S.W.	Plymouth - - -	65	46	62.5	49.2	55.5	0.0	1	0.26	- 0.19	45	40
	Prawle Point - - -	64	44	58.7	47.0	52.5	- 1.5	1	0.21	?	*	*
	Londonderry - - -	72	40	64.7	43.4	53.4	+ 0.4	1	0.32	- 0.24	*	*
	Mullaghmore - - -	68	44	61.0	47.9	54.1	- 0.3	1	0.30	?	*	*
3. ENGLAND, S.W.	Markree Castle - - -	70	38	62.0	41.6	51.2	- 2.9	1	0.43	?	56	49
	Brookeborough - - -	68	36	62.6	41.8	51.6	- 2.6	1	0.28	?	*	*
	Armagh - - -	64	40	59.8	42.7	50.7	- 3.1	1	0.10	- 0.34	43	37
	Donaghadee - - -	61	43	56.7	45.1	50.6	- 2.3	2	0.33	- 0.14	*	*
4. ENGLAND, S.W.	Dublin - - -	63	42	59.1	44.2	51.2	- 3.0	1	0.05	- 0.38	52	46
	Parsonstown - - -	68	37	62.6	41.1	51.2	- 3.1	2	0.29	- 0.27	61	54
	Kilkenny (The Castle) - - -	—	—	—	—	—	—	—	—	—	*	*
	Waterford - - -	65	37	62.4	42.4	51.8	- 3.6	1	0.04	- 0.51	*	*
5. ENGLAND, S.W.	Roche's Point - - -	63	42	59.4	47.0	52.8	- 2.7	2	0.20	- 0.67	*	*
	Valencia - - -	69	44	62.1	48.4	54.8	+ 0.7	2	0.50	- 0.22	43	38
	Foynes - - -	69	36	61.6	43.2	51.9	- 0.8	2	0.33	- 0.22	*	*
	Scilly (St. Mary's) - - -	61	42	56.7	48.1	52.1	- 3.0	4	1.10	+ 0.69	*	*
6. ENGLAND, S.W.	Jersey (Noirmont) - - -	65	47	61.3	49.4	55.0	- 1.0	1	1.20	+ 0.82	70	64

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.
‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1868-80 being obtainable at this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 23.]
New Series.

WEEK ENDING MONDAY, 9TH JUNE, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1868–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 92.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	61	40	54.4	43.5	48.6	2 below.	Day deg. 46	Day deg. 432	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST -	64	38	56.3	44.3	49.9	3 below.	55	629	0	380
	2. ENGLAND, N.E. -	67	41	56.1	45.2	50.3	4 below.	58	657	0	282
	3. ENGLAND, EAST -	68	40	58.9	46.5	52.3	4 below.	72	836	0	318
	4. MIDLAND COUNTIES*	72	40	61.2	46.0	53.1	3 below.	78	842	0	322
	5. ENGLAND, SOUTH -	64	42	59.0	47.9	53.1	3 below.	78	928	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	67	39	59.3	44.8	51.7	2 below.	69	676	0	231
	7. ENGLAND, N.W.* -	67	34	59.2	46.1	52.2	3 below.	70	720	0	254
	8. ENGLAND, S.W. -	64	40	57.3	46.9	51.7	4 below.	68	868	0	105
	9. IRELAND, NORTH -	62	37	56.8	44.6	50.3	5 below.	58	751	0	241
	10. IRELAND, SOUTH * -	66	40	58.3	45.0	51.2	4 below.	64	937	0	127
	— CHANNEL ISLANDS.	58	45	55.8	48.5	51.9	5 below.	69	1013	0	9

DISTRICTS. (See p. 92.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	10ths of In. 2	10ths of In. 3 less.	103	In. 17.1	55	552	45	26
	1. SCOTLAND, EAST -	3	3	2 less.	84	9.3	40	561	33	28
	2. ENGLAND, N.E. -	5	5	0 (average).	79	9.6	23	510	19	24
	3. ENGLAND, EAST -	5	11	7 more.	73	7.6	33	618	28	30
	4. MIDLAND COUNTIES*	5	11	6 more.	74	10.7	13	518	11	25
	5. ENGLAND, SOUTH -	6	17	13 more.	77	11.2	8	534	7	26
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	3	1	4 less.	102	31.5	39	494	33	23
	7. ENGLAND, N.W.* -	3	4	1 less.	84	14.8	35	507	30	23
	8. ENGLAND, S.W. -	4	5	0 (average).	91	16.2	33	582	29	27
	9. IRELAND, NORTH -	4	3	2 less.	104	17.6	25	473	21	23
	10. IRELAND, SOUTH * -	4	4	2 less.	100	19.7	25	548	22	26
	— CHANNEL ISLANDS.	6	6	2 more.	95	13.7	33	801	34	43

General Remarks.

Weather during this period has been cold, cloudy, and very unseasonable, especially over the southern, midland, and eastern parts of England. The winds have been north-easterly and northerly, but not strong, and the general distribution of pressure was of a complex cyclonic character. Thunderstorms occurred in many parts of England between the 6th and 8th.

Temperature was below the average everywhere, the deficit ranging from 4° or 5° over Ireland and the greater part of England, to only 2° in Scotland. The highest readings were those recorded over our Midland Counties on the 4th, where the thermometer rose to 71° or 72°, while the lowest registered over England occurred toward the latter portion of the period, and varied from 44° to 46°. In Scotland, at Nairn, the sheltered thermometer fell to 39° or 40° on several occasions. The range during the week was small.

Rainfall was largely in excess over our southern, midland, and eastern counties; in "England, S." the amount registered was nearly five times

the average. In Scotland and Ireland, however, there was a decided deficit.

Bright sunshine.—This was very deficient at the English stations, only 7% of the possible duration being recorded in "England, S.", 11% over the "Midland Counties", and 19% in "England, N.E." In the north of Scotland, however, the percentage recorded was 45, in "Scotland, E." 33, and in the Channel Islands 34.

Depressions observed.—These were very shallow, and their movements extremely irregular; in many cases they appear to have been formed and to have dispersed over our area. The behaviour of one, however, deserves special notice. Advancing in a north-north-westerly direction from the Baltic it lay at 8 A.M. (5th) over the Skager Rack. Thence it continued its westerly motion and arrived near the Shetlands at 8 A.M. on the 6th, and passed out to sea through the Pentland Firth during the morning.

* Returns incomplete; values consequently liable to some alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.		
		Tuesday, June 3. <i>Weather</i> fair in the west and north, but cloudy and unsettled in the south, with rain at all the Channel stations. Improvement subsequently taking place in south, but rain falling in some parts of Ireland. <i>Temperature</i> fallen a little in France and the south of England, but changed irregularly elsewhere; readings ranging from 59° at Cambridge to 48° in the Shetlands. Highest maxima 67° at York and Barrow-in-Furness and 66° at Cambridge. <i>Wind</i> Light and Variable in north, but fresh North-Easterly in south, and strong North-Westerly in Bay of Biscay. <i>Sea</i> rather rough at Scilly and Hurst Castle, moderate to smooth elsewhere. <i>Barometer</i> falling at our southern and most of the Continental stations, but rising in the west and north. Areas of relatively high readings lying over the Baltic, the northern part of the North Sea, and to the south-westward of Ireland. Areas of low pressure, with two distinct minima, lying over France. Low pressure system filling up during day, and barometer rising generally.	
		Wednesday, June 4. <i>Weather</i> fair in most places, but cloudy at several of the southern stations, with rain locally. <i>Temperature</i> fallen several degrees in the east, but risen slightly in the west; readings ranging from 57° at Ardrrossan to 45° at Shields. Highest maxima 70° to 72° over our North Midland Counties; thermometer in London not exceeding 58°. <i>Wind</i> North-Easterly in north, but Northerly or North-Westerly in south; moderate in force generally. <i>Sea</i> moderate to smooth. <i>Barometer</i> falling in Denmark and the south of Sweden, rising elsewhere. Readings relatively high both in the north of Scandinavia and south of France, with large low pressure area over the Baltic, and some shallow local depressions over England. Rise continuing all day in most districts.	
		Thursday, June 5. <i>Weather</i> fine in the north of Scandinavia, but cloudy elsewhere, with rain at Ardrrossan and York, and passing showers at Valencia. Rain falling subsequently in most parts of the Kingdom, heavily in London, and thunderstorms occurring at some of the English stations. <i>Temperature</i> changed irregularly; readings ranging from 55° in London to 48° at Nairn. Maxima rather low for time of year. <i>Wind</i> Easterly or North-Easterly in Scandinavia and the north of Scotland, but North-Westerly elsewhere; light or moderate in force generally. <i>Sea</i> moderate to smooth. <i>Barometer</i> rising at all but a few of the eastern and northern stations. Pressure relatively high over the north of Scandinavia and south of France, with well-defined depression off the south of Norway and some shallow local disturbances over our Islands. Depression moving westwards later, and barometer falling on our northern coasts.	
		Friday, June 6. <i>Weather</i> varying greatly in different localities, but cloudy in most places, with rain at Oxford and in London. Rain falling later in nearly all districts, and thunderstorms occurring over Central England. <i>Temperature</i> risen slightly in the east, but fallen in the west; readings ranging from 55° at York to 45° at Parsonstown. <i>Wind</i> Easterly or North-Easterly in Scandinavia and the extreme north of Scotland, but Westerly or North-Westerly elsewhere; light or moderate in force generally. <i>Sea</i> rather rough at Scilly; slight or smooth elsewhere. <i>Barometer</i> falling generally. Pressure highest south of France, and relatively high north of Scandinavia. Depression of previous day now lying off the north-east of Scotland, but fresh disturbance appearing over the Baltic and slight local irregularities still found over England. Very little change later.	

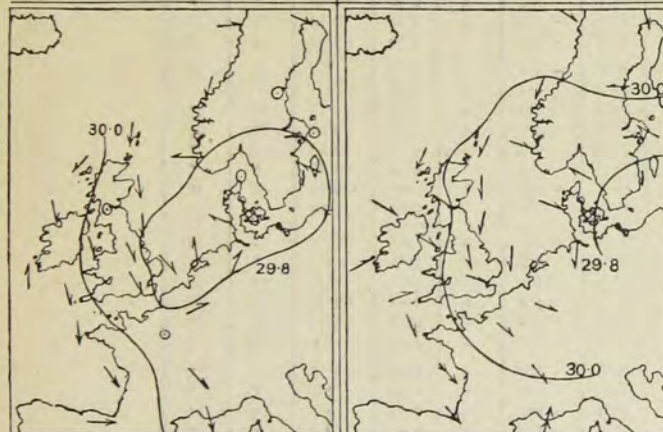
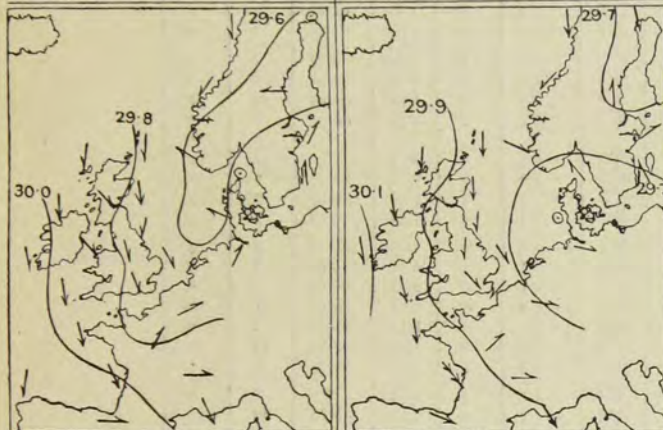
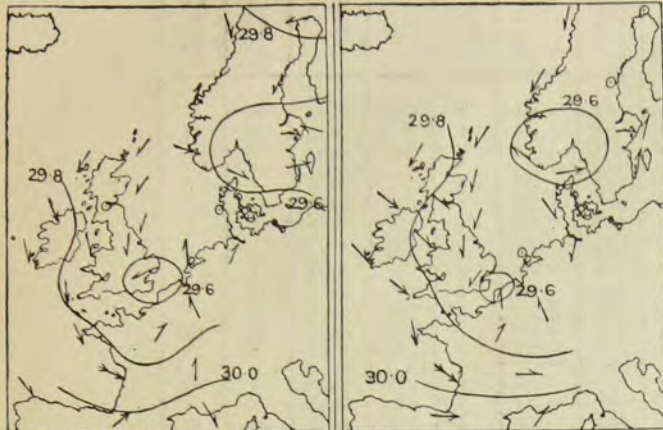
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, June 7.

Weather fair in the west and north, but unsettled and showery elsewhere. Thunderstorm occurring at Oxford in afternoon.

Temperature falling a few degrees in the south; readings ranging from 56° at Holyhead to 46° at Prawle Point. Maxima below 60° in most parts of the Kingdom.

Wind light North-Easterly in Scotland, fresh North-Westerly on our south-west coasts, strong Westerly in the Bay of Biscay, and moderate South-Westerly in the east of France.

Sea rather rough in the western part of the Channel.

Barometer rising west and north, falling elsewhere. Well-defined depression lying over the south-east of England, and a smaller disturbance near Stockholm. The former of these subsequently filling up, and the latter moving westwards to the south of Norway.

Sunday, June 8.

Weather fine in Denmark and the south of Sweden, but cloudy or overcast elsewhere, with showers at several of our eastern stations. Thunderstorms occurring later in the south of England.

Temperature fallen north and east; readings ranging from 55° at Hurst Castle to 47° in the north of Scotland. Maxima again below 60° in most parts of the Kingdom, and thermometer at Nairn, Aberdeen, and Shields not exceeding 50°.

Wind moderate or fresh from the Northward or North-Westward on nearly all coasts.

Sea rather rough at Sumburgh Head and Scilly, moderate to smooth elsewhere.

Barometer rising at all but the Danish and northern Swedish stations. Pressure highest to the south-westward of our Islands and long band of low readings lying over Scandinavia and the North Sea. Rise extending to Denmark and Sweden later.

Monday, June 9.

Weather cloudy or overcast generally, with rain at several of our eastern stations. Showers falling later at many parts of the kingdom.

Temperature fallen several degrees in the south-east of England; readings ranging from 55° at Leith and Valencia to 47° at York and Cambridge. Maxima again very low for the time of year.

Wind light and variable on the Eastern shores of the North Sea, but Northerly or North-Westerly in our Islands and France; light or moderate in force in most places.

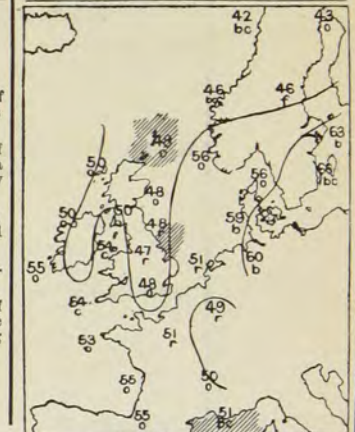
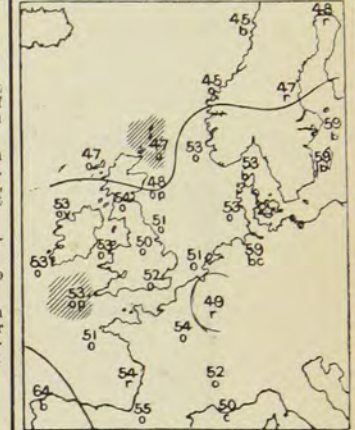
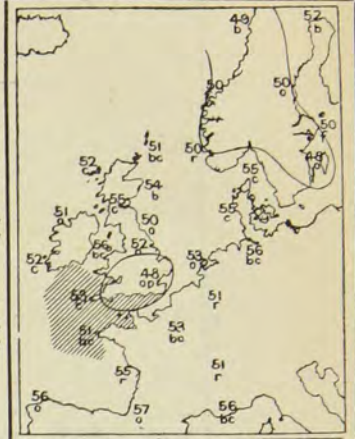
Sea rather rough at Sumburgh Head and Spurn Head, moderate to smooth elsewhere.

Barometer rising generally. Pressure highest over the Bay of Biscay, with large area of low readings still lying over the North Sea. Slight fall occurring in west of Ireland during latter part of day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\gg$ = a heavy gale; $\gg$ = a gale; $\gg$ = a fresh to strong breeze; $\gg$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 89 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	54	42	52.1	43.6	47.6	- 2.1	2	0.03	-0.39	*	*
	Stornoway	61	42	54.9	43.3	48.7	- 2.1	1	0.01	-0.66	55	45
	Wick	59	40	56.1	43.6	49.4	- 1.3	4	0.48	-0.11	*	*
1. SCOTLAND, E.	Nairn	64	39	57.3	43.7	50.0	- 2.9	2	0.09	-0.35	*	*
	Aberdeen	59	38	56.1	44.4	49.8	- 2.3	2	0.12	-0.32	40	33
	Leith	58	43	55.6	44.9	49.9	- 3.8	4	0.58	+0.20	*	*
2. ENGLAND, N.E.	Alnwick Castle	59	42	54.7	44.4	49.2	- 3.7	4	0.60	?	*	*
	Shields	55	42	53.3	44.3	48.5	- 4.5	5	1.06	+0.67	*	*
	Durham	66	41	56.8	42.9	49.4	- 4.8	5	0.90	+0.42	17	14
	Scarborough	59	46	55.5	46.8	50.9	- 2.7	4	0.36	-0.11	*	*
	York	69	43	61.3	44.9	52.5	- 2.9	6	0.28	-0.26	28	24
	Spurn Head	58	46	54.9	47.9	51.2	- 3.1	3	0.39	?	*	*
3. ENGLAND, E.	Hillington	66	44	60.3	45.7	52.5	- 2.6	5	1.07	+0.59	34	29
	Yarmouth	59	45	56.3	48.9	52.3	- 2.9	4	0.19	-0.28	*	*
	Geldeston	63	43	58.5	46.8	52.2	- 4.0	4	0.73	+0.32	31	27
	Cambridge	68	40	61.0	45.3	52.6	- 3.4	6	1.48	+1.01	*	*
	Rothamsted	64	43	58.5	45.7	51.7	- 5.4	6	2.23	+1.69	*	*
	Bawtry (Hesley Hall)	72	42	64.0	45.1	53.9	- 2.0	3	0.54	0.00	*	*
4. MIDLAND COUNTIES	Loughborough	71	44	63.1	46.9	54.4	- 2.5	3	0.76	+0.23	*	*
	Leicester	72	44	62.7	45.9	53.7	- 2.8	6	1.50	+1.03	20	17
	Birmingham (Oscott)	68	44	60.3	45.9	52.6	- 3.7	5	0.94	+0.37	*	*
	Cheadle	66	44	60.3	45.9	52.6	- 3.7	5	0.94	+0.37	*	*
	Churchstoke	65	40	59.0	43.5	50.7	- 4.4	5	0.74	?	14	12
	Hereford	69	45	63.0	46.9	54.4	- 2.0	5	1.25	+0.77	*	*
	Cirencester	62	44	58.4	46.3	51.9	- 4.1	5	1.82	+1.29	7	6
	Oxford	64	45	59.4	47.4	53.0	- 3.7	4	1.24	+0.77	9	8
5. ENGLAND, S.	London†	62	45	58.4	47.7	52.7	- 5.4	7	1.88	+1.40	3	3
	Marlborough	62	44	59.5	46.7	52.7	- 2.1	6	2.02	+1.50	9	8
	Strathfield Turgiss	63	45	60.1	47.0	53.1	- 2.7	6	2.11	+1.67	*	*
	Dover	62	46	58.6	50.0	54.0	- 2.6	5	1.03	+0.61	*	*
	Hastings (St. Leonard's)	60	45	56.0	48.3	51.9	- 4.6	6	1.95	+1.55	7	6
	Southampton	64	42	61.4	48.0	54.2	- 2.7	5	1.30	+0.86	14	12
	Hurst Castle	62	44	59.3	47.9	53.2	- 3.4	6	1.59	+1.16	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	64	40	58.6	44.3	51.0	- 1.3	2	0.08	?	*	*
	Glasgow	63	40	57.1	44.8	50.5	- 2.7	4	0.35	-0.30	30	25
	Ardrossan	65	43	59.1	45.6	51.9	- 1.7	2	0.06	-0.52	*	*
	Silloth (Cumberland)	67	39	61.5	44.4	53.3	- 1.5	3	0.07	-0.42	31	26
	Douglas (Isle of Man)	63	43	60.1	45.5	52.3	- 1.2	2	0.10	-0.31	56	48
7. ENGLAND, N.W.	Newton Reigny (Penrith)	67	34	58.5	40.8	49.0	- 4.4	3	0.88	?	32	27
	Barrow-in-Furness	67	46	59.3	48.6	53.6	- 1.5	2	0.09	?	*	*
	Stonyhurst	65	42	59.2	44.8	51.5	- 3.4	4	0.56	-0.14	26	22
	Blackpool	66	38	58.8	46.0	52.0	- 3.9	3	0.23	-0.28	36	31
	Manchester	65	39	59.3	43.4	50.8	- 5.2	4	0.86	+0.28	*	*
	Liverpool Obsr (Bidston)	65	47	59.6	48.7	53.8	- 2.0	5	0.45	+0.03	*	*
	Llandudno	62	47	59.0	48.1	53.2	- 3.1	0	—	-0.41	47	41
	Holyhead	61	47	59.6	48.3	53.6	- 1.4	1	0.04	-0.38	*	*
8. ENGLAND, S.W.	Pembroke	58	46	54.7	48.0	51.1	- 4.2	3	0.30	-0.17	36	32
	Arlington (N. Devon)	59	40	56.4	45.1	50.4	- 5.5	3	0.83	?	*	*
	Cullompton	62	42	59.1	46.8	52.5	- 4.1	3	0.51	?	24	21
	Falmouth	57	45	59.1	47.8	51.7	- 4.3	6	0.64	+0.01	45	40
	Plymouth	63	42	59.5	47.6	53.1	- 3.5	4	0.42	-0.03	25	22
	Prawle Point	64	40	57.9	45.9	51.5	- 3.5	2	0.37	?	*	*
9. IRELAND, N.	Londonderry	61	42	58.3	44.2	50.8	- 3.6	5	0.44	-0.15	*	*
	Mullaghmore	58	47	56.1	47.9	51.7	- 3.7	5	0.34	?	*	*
	Markree Castle	60	39	55.4	44.2	49.4	- 5.9	5	0.42	?	28	24
	Brookeborough	58	37	56.8	41.3	48.5	- 7.0	2	0.42	?	*	*
	Armagh	62	40	57.9	43.8	50.5	- 4.7	4	0.37	-0.09	21	18
10. IRELAND, S.	Donaghadee	59	45	56.4	45.9	50.8	- 3.5	2	0.06	-0.41	*	*
	Dublin	61	43	57.9	45.7	51.4	- 3.8	5	0.84	+0.39	11	9
	Parsonstown	61	41	57.3	43.7	50.0	- 5.3	4	0.34	-0.24	22	19
	Kilkenny (The Castle)	66	40	61.9	44.4	52.5	- 4.0	2	0.21	-0.3	*	*
	Waterford	62	42	58.6	45.4	51.5	- 5.1	3	0.11	-0.66	*	*
	Roche's Point	59	45	57.9	46.0	51.5	- 3.4	5	0.45	-0.32	42	37
	Foyles	60	40	56.1	44.6	50.0	- 4.7	6	0.45	?	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	46	55.3	48.9	51.9	- 4.1	5	0.33	-0.10	*	*
	Jersey (Noirmont)	58	45	56.3	48.1	51.9	- 5.0	6	0.85	+0.48	38	34

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1869-80 being obtainable at this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 24.]
New Series.

WEEK ENDING MONDAY, 16TH JUNE, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 96.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	65	38	55.4	44.9	40.8	2 below.	Day deg. 55	Day deg. 487	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	74	41	63.4	47.7	55.0	1 above.	91	720	0	380
	2. ENGLAND, N.E.*†	80	43	63.4	48.2	55.2	0 (average).	92	746	0	282
	3. ENGLAND, EAST	80	43	65.7	47.8	56.2	2 below.	99	935	0	318
	4. MIDLAND COUNTIES	83	35	67.6	46.8	56.5	1 below.	102	944	0	322
	5. ENGLAND, SOUTH	79	42	66.4	49.2	57.2	1 below.	106	1034	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST †	72	38	60.6	46.3	53.0	2 below.	77	750	0	231
	7. ENGLAND, N.W.	76	42	62.3	47.4	54.5	2 below.	88	808	0	254
	8. ENGLAND, S.W.	77	37	65.3	48.9	56.6	1 below.	102	970	0	105
	9. IRELAND, NORTH	73	38	61.6	46.7	53.6	3 below.	81	832	0	241
	10. IRELAND, SOUTH *	75	38	63.6	47.8	55.1	2 below.	92	1029	0	127
	— CHANNEL ISLANDS.	67	47	61.2	51.4	56.0	2 below.	98	1111	0	9
DISTRICTS. (See p. 96.)		Rainfall.				Bright Sunshine.					
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of In. 7	10ths of In. 2 more.	110	Ins. 17.8	20	572	16	25	
	1. SCOTLAND, EAST	3	3	2 less.	87	9.6	42	603	35	28	
	2. ENGLAND, N.E.*†	1	less than ½	5 less.	80	9.6	47	555	41	24	
	3. ENGLAND, EAST	0	less than ½	5 less.	73	7.6	59	677	52	31	
	4. MIDLAND COUNTIES	0	less than ½	5 less.	74	10.7	52	570	46	26	
	5. ENGLAND, SOUTH	0	less than ½	5 less.	77	11.2	49	583	43	27	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST †	2	2	4 less.	103	31.7	45	539	38	24	
	7. ENGLAND, N.W.	1	less than ½	5 less.	85	14.8	59	566	51	25	
	8. ENGLAND, S.W.	1	less than ½	5 less.	91	16.3	62	644	55	28	
	9. IRELAND, NORTH	2	2	4 less.	106	17.8	28	501	24	23	
	10. IRELAND, SOUTH *	2	1	6 less.	102	19.8	38	586	33	26	
	— CHANNEL ISLANDS.	2	less than ½	4 less.	97	13.7	67	868	60	44	

General Remarks.

Weather has continued unsettled and rainy in the extreme north of Scotland, but in all other parts of the Kingdom it has been fine and dry.

Temperature has been slightly above the mean in "Scotland, E." and about equal to its normal value in "England, N.E.", but in all other districts it has varied from 1° to 3° below. The maxima, which were recorded on the 13th, were as high as 83° in the "Midland Counties", 80° in "England, N.E." and "England, E.", and 79° in "England, S." In the "Channel Islands", however, the highest reading was 67°, and in "Scotland, N." 65°. The minima were generally registered on the 10th, and were rather low. In the "Midland Counties" the temperature fell to 35°, in "England, S.W." to 37°, in the north and west of Scotland and in Ireland to 38°, and in most other districts to between 40° and 43°.

Rainfall has been a little more than the mean in "Scotland, N.", but considerably less elsewhere.

Bright sunshine shows a decrease in duration over the extreme north of Scotland, but in all other districts there has been a decided increase. The percentage of the possible duration varied from 60 in the "Channel Islands" and 55 in "England, S.W.", to 24 in "Ireland, N." and 16 in "Scotland, N."

Depressions observed.—Pressure was generally high and rather uniform in the west and south of our Islands and the north and west of France, and comparatively low in the northern and eastern parts of our area, where some extensive, but not deep, depressions were observed. Moderate South-Westerly to Westerly winds prevailed during the earlier part of the period, but afterwards North-Westerly, Northerly, and North-North-Easterly breezes became general, with cooler weather.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values (Since Jan. 1) in this district have been altered a little in consequence of the receipt of some arrears of observations.

ERRATUM.—In the Temperature paragraph of the "General Remarks" for last week, "44° to 46°" should read "34° to 42°."

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER	
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.	
		Tuesday, June 10. <i>Weather</i> fine in Scandinavia, Denmark, and Scotland, but cloudy or overcast elsewhere, with rain at Mullaghmore and Valencia, and passing showers at Dover. Fog setting in on our south-west coasts later, and rain falling at most of our western and northern stations. <i>Temperature</i> risen a few degrees in most places; readings ranging from 56° at several of the southern stations to 48° in the Shetlands. <i>Wind</i> moderate Southerly west and north, but light Northerly elsewhere. Subsequently backing to South-West in south. <i>Sea</i> moderate to smooth. <i>Barometer</i> falling a little Ireland and Scotland, rising elsewhere. Areas of high pressure lying over the Bay of Biscay and north of Scandinavia, with depressions over North Germany and to the north-westward of our Islands.		
		Wednesday, June 11. <i>Weather</i> fine in Scandinavia, France, and the south of our Islands, but cloudy or overcast elsewhere, with a good deal of fog in the south-west of England. Weather improving later in all parts of the Kingdom. <i>Temperature</i> risen in most places; readings ranging from 60° at Spurn Head, London, and Cambridge to 49° in the Shetlands. Highest maxima 69° at Yarmouth, and 67° at York, Loughborough, Donaghadee, and Cambridge. <i>Wind</i> South-Westerly in our Islands, but Easterly or South-Easterly in Sweden and Denmark, and Variable in France. Fresh or strong at our extreme western stations. Subsequently veering to West in all parts of the United Kingdom. <i>Sea</i> rough at Stornoway and Mullaghmore, moderate to smooth elsewhere. <i>Barometer</i> rising at all but our northern stations. Anticyclone lying over France, and another high pressure area over Western Russia, with large depression off the north-west of Scotland. Depression subsequently moving away north-eastwards, and barometer rising in north.		
		Thursday, June 12. <i>Weather</i> fine in our Islands and France, but cloudy and unsettled on the eastern shores of the North Sea. Sky afterwards becoming overcast in extreme west and north, and rain falling at one or two stations. <i>Temperature</i> risen a little; readings ranging from 63° at Cambridge to 51° in the Shetlands. Highest maxima 78° at Loughborough, 75° at Cambridge, and 73° at Parsonstown, Oxford, and in London. <i>Wind</i> moderate or fresh from the South-Westward at our northern stations, but Variable in the south and Northerly in France. Subsequently backing to the Southward on our northern coasts. <i>Sea</i> slight or smooth generally. <i>Barometer</i> rising at all but the Scandinavian stations. Large anticyclone lying over the greater part of England, Ireland, and France, and depression system found over the north of Scandinavia. Slight fall of barometer taking place on our western coasts later.		
		Friday, June 13. <i>Weather</i> rainy on our extreme northern and north-western coasts, but fine elsewhere. Rain falling later at most of our northern stations. <i>Temperature</i> risen several degrees; readings ranging from 68° at Leith to 50° at Stornoway. Thermometer subsequently rising to 78° at Oxford, 79° at Cambridge, 80° at York, and 81° at Loughborough. <i>Wind</i> varying between South and West at our more northern stations, but light Variable in the south and North-Easterly in France. Subsequently shifting to North-West or North generally. <i>Sea</i> rather rough at Stornoway; moderate to smooth elsewhere. <i>Barometer</i> falling in most places. Long band of high pressure stretching from our south-west coasts to North Germany, with one depression over the north of Scandinavia and another off the north of Scotland. Brisk rise taking place on our western coasts later.		

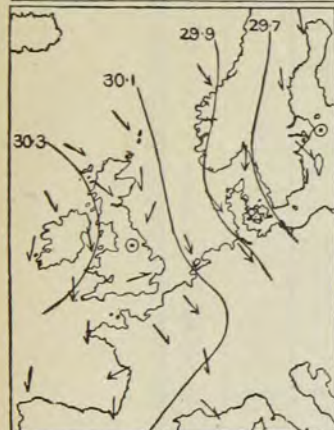
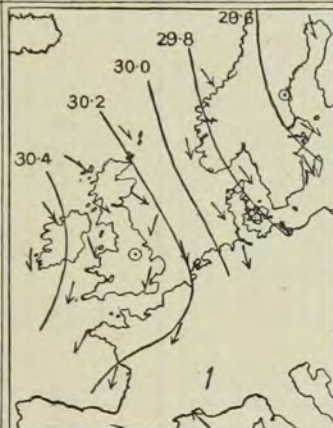
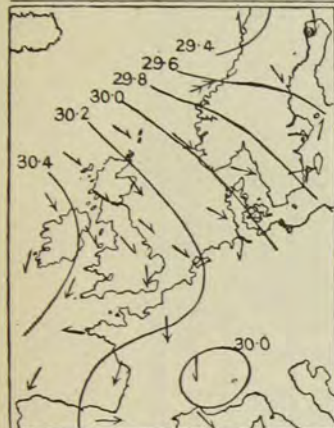
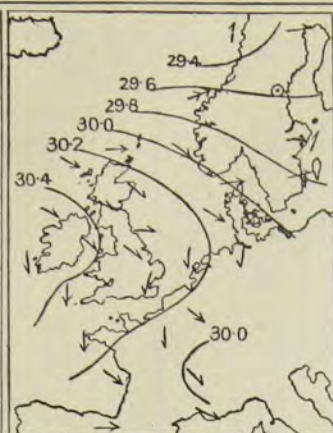
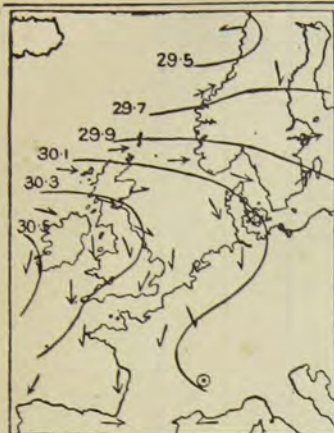
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding
8 a.m. on the dates given.

Saturday, June 14.

Weather fine in nearly all places, but showers reported at Stornoway, and steady rain at Christiansund and Biarritz. No important change later.

Temperature fallen quickly over the northern parts of our Islands, but little changed in the south, and risen in France. Highest maxima 70° at Loughborough and Prawle Point, and 69° in London.

Wind fresh or strong Westerly in Scandinavia and the north of Scotland, but North-Westerly or Northerly elsewhere.

Sea rather rough at Sumburgh Head and Scilly, moderate or slight elsewhere.

Barometer falling at all but our western and northern stations. Anticyclone lying off the south-west of Ireland, and depression over the north of Scandinavia. No important change later.

Sunday, June 15.

Weather dull in the west of Norway, the north of our Islands, and south of France, but fine elsewhere. A little rain falling at some of our northern stations later.

Temperature fallen in most places; readings ranging from 58° in London to 47° in the Shetlands. Maxima much lower than of late.

Wind North-Westerly or Northerly in our Islands and Scandinavia, but North-Easterly in France; moderate or fresh in force at most stations, but strong in Norway.

Sea moderate to smooth.

Barometer rising a little in our Island and France, but falling on the eastern shores of the North Sea. Anticyclone lying over our western coasts, and depression over the north of Scandinavia. Latter subsequently moving south-eastwards, and barometer rising in Norway.

Monday, June 16.

Weather fair at most of the western and northern stations, but cloudy in the north and east, with drizzling rain at Stornoway and Yarmouth. Showers falling later at several of our eastern stations.

Temperature fallen a little in most places; readings ranging from 59° at Valencia and 58° at Prawle Point to 46° at Farnston. Maxima very low for time of year; thermometer at our northern and eastern stations not reaching 60° and in London only rising to 64°.

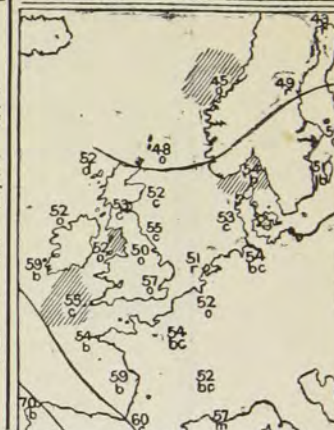
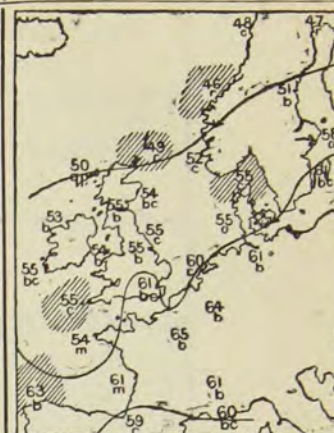
Wind generally Northerly—inclining to North-West in the north and to North-East in the south. Light or moderate in force on most coasts.

Sea rather rough at Barrow-in-Furness, Liverpool, and Scilly, slight or smooth elsewhere.

Barometer falling a little over our Islands and the North Sea, but rising in Scandinavia and France. Anticyclone still lying over our western coasts, with depression over the Baltic. Fall continuing in our Islands all day.

Synoptic Charts.

TEMPERATURE AND WEATHER
at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 93 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	55	44	53.6	45.3	49.2	-1.8	7	0.69	+0.21	*	*
	Stornoway	56	38	54.3	45.3	49.5	-2.5	7	0.69	-0.02	20	15
	Wick	65	39	58.4	44.0	50.7	-1.2	7	0.65	+0.27	*	*
1. SCOTLAND, E.	Nairn	67	45	61.6	48.9	54.8	+0.8	2	0.40	-0.08	*	*
	Aberdeen	72	41	63.3	46.0	54.1	+0.1	5	0.33	-0.14	42	35
	Leith	74	44	65.3	48.1	56.0	+0.8	1	0.02	-0.43	*	*
2. ENGLAND, N.E.	Alnwick Castle	72	44	62.9	48.3	55.1	+0.7	1	0.02	?	*	*
	Shields	76	43	63.1	45.9	53.9	-0.7	1	0.01	-0.40	*	*
	Durham	79	47	62.6	49.1	55.4	+0.4	1	0.01	-0.48	*	*
	Scarborough	80	43	67.9	47.0	56.7	-0.2	0	—	-0.58	47	41
	York	66	48	60.3	50.6	55.1	-0.5	1	0.01	?	*	*
3. ENGLAND, E.	Spurn Head	80	44	67.5	45.9	56.0	-0.8	0	—	-0.50	64	56
	Hillington	69	47	61.4	50.7	55.7	-1.3	1	0.04	-0.45	*	*
	Yarmouth	71	44	64.8	46.3	54.9	-2.6	0	—	-0.41	61	54
	Geldeston	79	45	68.1	48.1	57.4	-0.9	0	—	-0.50	62	46
	Cambridge	78	43	66.8	48.2	56.9	-1.9	0	—	-0.54	*	*
	Rothamsted	83	44	70.1	45.7	57.1	-0.2	0	—	-0.60	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	81	45	69.4	48.1	58.0	-0.4	1	0.07	-0.47	*	*
	Loughborough	82	45	69.8	48.5	58.4	+0.1	1	0.05	-0.43	41	36
	Leicester	79	44	66.2	47.5	56.1	-2.1	1	0.02	-0.58	*	*
	Birmingham (Oscott)	76	44	65.0	47.0	55.4	-1.0	1	0.07	?	*	*
	Cheadle	76	35	66.1	43.0	53.8	-2.8	0	—	?	72	63
	Churchstoke	81	39	69.8	45.6	56.9	-1.0	0	—	-0.48	*	*
	Hereford	77	42	65.7	46.4	55.4	-1.9	0	—	-0.54	54	47
	Cirencester	78	47	66.7	49.7	57.6	-0.8	0	—	-0.50	42	37
	Oxford	76	46	68.1	50.1	58.5	-1.1	0	—	-0.51	41	36
5. ENGLAND, S.	London†	77	42	67.2	46.8	56.3	+0.1	0	—	-0.51	50	44
	Marlborough	79	42	68.8	47.3	57.3	-0.1	0	—	-0.49	*	*
	Strathfield Turgiss	65	46	62.4	50.6	56.1	-1.9	1	0.04	-0.36	*	*
	Dover	69	46	64.5	49.7	56.6	-1.0	0	—	-0.40	49	43
	Hastings (St. Leonard's)	76	46	63.8	49.9	58.7	+0.5	0	—	-0.44	54	48
	Southampton	70	46	65.0	50.0	57.0	-0.9	0	—	-0.45	*	*
	Hurst Castle	62	41	56.8	45.0	50.5	-3.5	5	0.68	?	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	64	44	61.1	46.0	53.0	-1.5	2	0.16	-0.54	28	24
	Glasgow	63	43	58.1	48.9	53.2	-1.8	2	0.14	-0.47	*	*
	Ardrossan	72	41	65.9	46.0	55.3	-1.2	1	0.10	-0.42	49	42
	Silloth (Cumberland)	64	38	61.0	45.5	53.1	-1.7	1	0.06	-0.34	57	40
	Douglas (Isle of Man)	73	42	62.7	44.7	53.1	-2.1	1	0.01	?	48	41
7. ENGLAND, N.W.	Barrow-in-Furness	66	46	60.3	48.6	54.0	-2.6	0	—	?	*	*
	Stonyhurst	76	43	64.5	45.8	54.5	-1.7	0	—	-0.78	64	55
	Blackpool	69	44	62.5	46.6	54.0	-2.9	0	—	-0.50	60	52
	Manchester	75	45	65.0	45.6	54.6	-2.8	0	—	-0.60	*	*
	Liverpool Obs* (Bidston)	74	46	63.9	50.3	56.6	-0.7	0	—	-0.42	*	*
	Llandudno	75	42	62.8	48.1	54.9	-2.3	1	0.03	-0.39	63	55
	Holyhead	64	46	60.4	49.3	54.5	-1.6	2	0.08	-0.37	*	*
	Llandovery	76	44	69.7	49.0	58.6	-0.2	1	0.01	?	*	*
8. ENGLAND, S.W.	Pembroke	58	47	57.6	49.0	53.0	-3.6	1	0.02	-0.46	56	49
	Arlington (N. Devon)	68	38	63.0	45.3	53.5	-3.5	3	0.12	?	*	*
	Cullompton	77	37	69.7	46.7	57.4	-0.6	1	0.04	?	65	58
	Falmouth	70	48	63.9	51.6	57.3	-0.2	1	0.01	-0.61	63	56
	Plymouth	73	42	63.1	51.3	59.1	+1.0	1	0.02	-0.44	64	57
	Prawle Point	71	43	65.4	49.6	57.0	-0.1	1	0.06	?	*	*
9. IRELAND, N.	Londonderry	71	40	62.1	46.1	53.5	-2.1	3	0.30	-0.31	*	*
	Mullaghmore	69	50	60.0	51.3	55.4	-1.2	3	0.21	?	*	*
	Markree Castle	69	40	60.2	45.5	52.3	-4.2	3	0.12	?	28	24
	Brookeborough	69	38	61.4	44.0	52.1	-4.6	1	0.03	?	*	*
	Armagh	70	41	62.4	45.7	53.5	-3.0	2	0.12	-0.36	27	23
	Donaghadee	73	41	63.3	47.3	54.7	-0.9	1	0.14	-0.35	*	*
10. IRELAND, S.	Dublin	75	44	66.6	48.9	57.1	+0.5	1	0.05	-0.44	39	34
	Parsonstown	73	38	64.3	45.7	54.4	-2.2	2	0.16	-0.44	34	30
	Kilkenny (The Castle)	*	*	*	*	*	*	*	*	*	*	*
	Waterford	*	*	*	*	*	*	*	*	*	*	*
	Roche's Point	67	45	64.0	49.1	56.0	-2.0	1	0.08	-0.70	*	*
	Valencia	63	46	61.0	49.3	54.7	-1.2	1	0.01	-0.80	40	35
CHANNEL ISLANDS	Foyes	70	40	62.1	46.0	53.5	-2.6	3	0.05	?	*	*
	Scilly (St. Mary's)	61	51	58.7	52.1	55.2	-2.0	2	0.03	-0.41	*	*
	Jersey (Noirmont)	67	47	63.7	50.6	56.7	-1.1	1	0.01	-0.35	67	60

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—It will be observed that Llandovery has been added to the list of stations in "England, S.W."

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 25.]
New Series.

WEEK ENDING MONDAY, 23RD JUNE, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 100.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	60	43	56.0	47.0	51.2	2 below.	Day deg. 64	Day deg. 551	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	68	46	62.2	49.4	55.4	1 below.	94	814	0	380
	2. ENGLAND, N.E.*	72	40	60.5	48.8	54.2	3 below.	85	831	0	282
	3. ENGLAND, EAST	72	40	63.9	47.7	55.2	4 below.	92	1027	0	318
	4. MIDLAND COUNTIES	74	41	65.9	48.5	56.8	2 below.	104	1048	0	322
	5. ENGLAND, SOUTH	74	45	66.4	51.0	58.2	1 below.	113	1147	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	70	42	63.9	48.1	55.4	1 below.	94	844	0	231
	7. ENGLAND, N.W.	69	44	63.6	50.2	56.5	1 below.	102	910	0	254
	8. ENGLAND, S.W.	75	41	69.0	51.3	59.5	1 above.	123	1093	0	105
	9. IRELAND, NORTH	72	40	64.0	50.0	56.5	1 below.	102	934	0	241
	10. IRELAND, SOUTH	76	44	67.5	50.2	58.2	0 (average).	113	1142	0	127
	— CHANNEL ISLANDS	69	50	65.5	53.6	59.1	1 above.	120	1231	0	9

DISTRICTS. (See p. 100.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of In. 3	10ths of In. 2 less.	114	In. 18.2	10	582	8	24
	1. SCOTLAND, EAST	2	2	3 less.	89	9.8	17	620	24	28
	2. ENGLAND, N.E.*	2	1	4 less.	82	9.7	11	566	9	24
	3. ENGLAND, EAST	1	1	5 less.	74	7.7	35	712	30	30
	4. MIDLAND COUNTIES	2	1	5 less.	76	10.8	32	602	28	26
	5. ENGLAND, SOUTH	1	1	4 less.	78	11.3	33	616	29	27
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	2	1	5 less.	105	31.8	35	574	29	24
	7. ENGLAND, N.W.	1	less than ½	6 less.	86	14.8	30	596	26	25
	8. ENGLAND, S.W.	0	less than ½	5 less.	91	16.3	67	711	59	29
	9. IRELAND, NORTH	1	less than ½	5 less.	107	17.8	21	522	18	22
	10. IRELAND, SOUTH	1	less than ½	6 less.	103	19.8	36	622	31	26
	— CHANNEL ISLANDS	1	less than ½	4 less.	98	13.7	71	939	63	45

General Remarks.

Weather has been very fine and warm over our south-western districts, but more or less cloudy and cooler in all other parts of the Kingdom.

Temperature has been a little above the mean in "England, S.W." and the "Channel Islands", and about equal to it in "Ireland, S.", but elsewhere it has ranged from 1° to 4° below its normal value. The maxima, which were registered on different days in the various districts, ranged from 76° in "Ireland, S.", 75° in "England, S.W.", and 74° in the "Midland Counties" and "England, S.", to 68° in "Scotland, E." and to 60° in "Scotland, N.". The minima were generally recorded on the 17th, and varied from 40° in "England, N.E.", "England, E.", and "Ireland, N.", to 46° in "Scotland, E." and 50° in the "Channel Islands".

Rainfall has been considerably less than the mean in all districts.

Bright sunshine has been more prevalent than during last week on our south-west coasts, but less so elsewhere. The percentages of possible duration ranged from 63 in the "Channel Islands" and 59 in "England, S.W.", to 18 in "Ireland, N.", 9 in "England, N.E.", and 8 in "Scotland, N."

Depressions observed.—Pressure has been high and uniform over nearly the whole of our area, the only depressions observed being situated over the Baltic. The winds in our Islands have consequently been light in force and variable in direction, but generally they blew from the Northward or North-Westward. By the close of the period the barometer was falling on our north-western and northern coasts, and the wind in Ireland and Scotland had shifted to the South-Westward.

* Returns incomplete; values consequently liable to alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
-8 a.m.	6 p.m.		
		Tuesday, June 17. <i>Weather</i> fine at most of the Continental stations, but cloudy in our Islands, with showers at Aberdeen and drizzling rain at Loughborough. Sky clearing at many of our western and southern stations. <i>Temperature</i> very little changed; readings ranging from 62° at Prawle Point to 46° in the Shetlands. Maxima below 65° in most parts of our Islands, and below 60° in the north. <i>Wind</i> North-Easterly in Sweden and France, but Northerly or North-Westerly elsewhere; light or moderate in force generally. <i>Sea</i> moderate to smooth. <i>Barometer</i> falling slightly in most parts of our Islands and France, but rising in Scandinavia. Pressure highest (30.3 ins.) over the west of Ireland, and lowest (about 29.7 ins.) over the Baltic. No important change later.	
		Wednesday, June 18. <i>Weather</i> fine at our southern and most of the Continental stations, but cloudy or overcast elsewhere, with slight rain in the Shetlands and at Spurn Head. <i>Temperature</i> risen a little in the west; readings ranging from 63° at Valencia to 50° in the Shetlands. Maxima still low for the time of year. <i>Wind</i> light North-Westerly on our north and east coasts, and North-Easterly in the south, but Variable in the west. <i>Sea</i> moderate to smooth. <i>Barometer</i> falling a little in the west of Ireland, but rising elsewhere. Large anticyclone, with readings above 30.2 ins., lying over the whole of our Islands, and lowest pressures still found over the Baltic. No change later.	
		Thursday, June 19. <i>Weather</i> cloudy in the north and east of our Islands, but fine and bright elsewhere. Sky subsequently clearing in east. <i>Temperature</i> risen slightly in most places; readings ranging from 66° at Prawle Point to 50° in the Shetlands. Highest maxima 70° at Oxford and 69° at Parsonstown and Prawle Point. <i>Wind</i> Northerly over Scandinavia and the North Sea and North-Easterly in France, but light and variable on our western coasts. <i>Sea</i> slight or smooth. <i>Barometer</i> rising very slightly in most places. Distribution of pressure precisely similar to that of previous day. Scarcely any change taking place during latter part of day.	
		Friday, June 20. <i>Weather</i> rainy in Sweden and cloudy or overcast on our north and east coasts, but fine and bright elsewhere. <i>Temperature</i> scarcely changed; readings ranging from 64° at Valencia to 51° in the Shetlands. Highest maxima 75° at Prawle Point and 70° at Hurst Castle. <i>Wind</i> moderate or fresh North-Easterly in Sweden and France and North-Westerly on the eastern shores of the North Sea, but light and variable over our Islands. <i>Sea</i> slight or smooth on all coasts. <i>Barometer</i> falling a little in Denmark and the south of Scandinavia, but almost stationary elsewhere. Distribution of pressure unchanged, and no decided alteration taking place during latter part of day.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

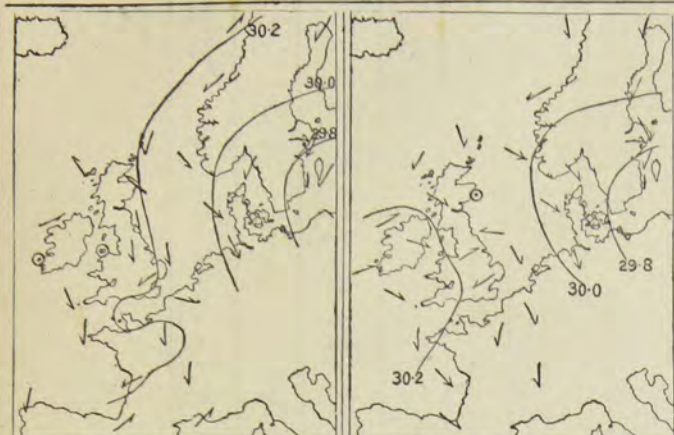
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, June 21.

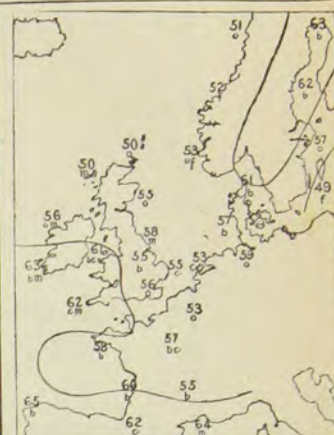
Weather cloudy in Scotland, but fine elsewhere. Sky subsequently clearing in the north.

Temperature changed little and irregularly; readings ranging from 66° at Prawle Point to 50° in the Shetlands and Hebrides. Highest maxima 73° at Prawle Point, 72° at York, and 70° at Parsonstown and Valencia.

Wind moderate North-Easterly in Sweden and France and North-Westerly over the North Sea, but light and variable over the greater part of our Islands.

Sea slight or smooth generally.

Barometer falling slightly in most places, but distribution of pressure similar to that of previous three days. Slight fall continuing all day.



Sunday, June 22.

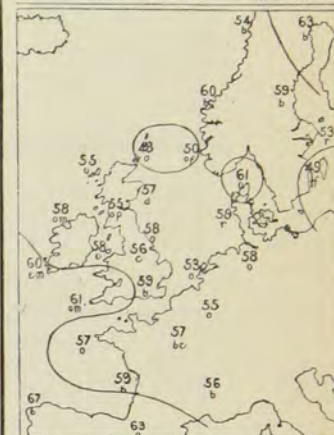
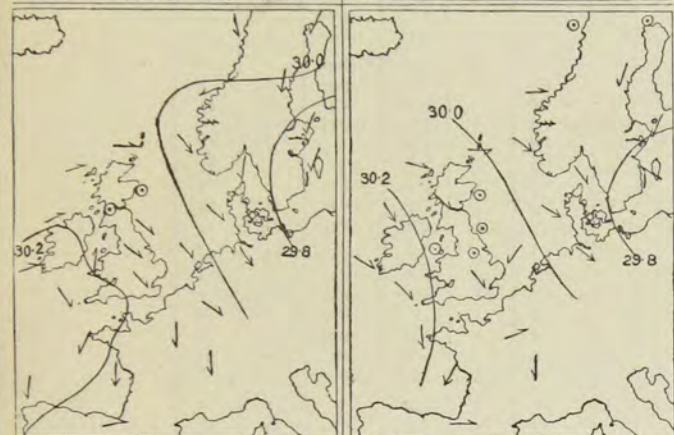
Weather rainy in Scotland and dull on the eastern shores of the North Sea, but generally fine elsewhere. Slight rain falling later at many of our eastern and southern stations.

Temperature changed irregularly; readings ranging from 62° at Prawle Point and Hurst Castle to 48° in the Shetlands. The highest maxima registered yesterday were 72° at Hurst Castle and Cambridge and 70° at Loughborough.

Wind light Westerly in north, but moderate from North-West or North elsewhere. Subsequently veering to North-West in north.

Sea slight or smooth on all coasts.

Barometer falling generally, most in the north. Area of highest pressure now lying over our south-west coasts, with low pressure over the Baltic. Slight rise of barometer on our north-west coast later.



Monday, June 23.

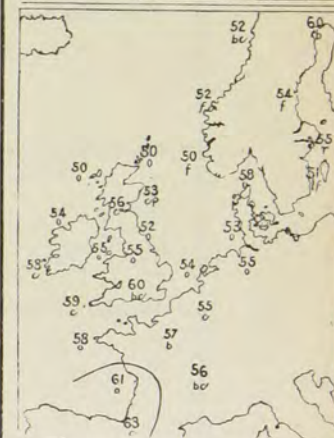
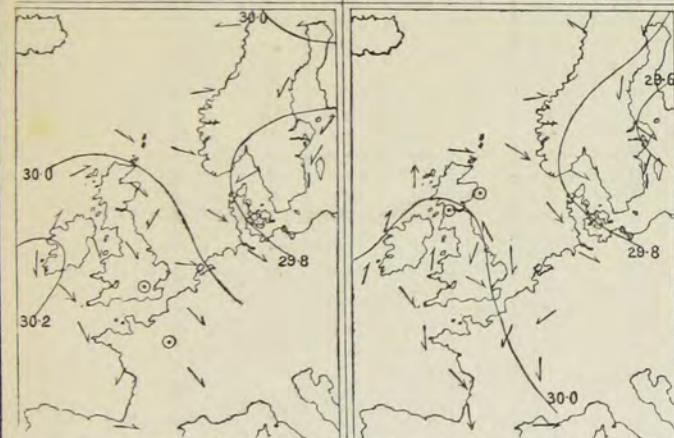
Weather foggy in Scandinavia, but fair in most parts of our Islands and France. Rain in extreme west and north during latter part of day.

Temperature fallen a little; readings ranging from 62° at Prawle Point to 50° in the Shetlands and Hebrides. Highest maxima 71° in London and 70° at Prawle Point.

Wind South-Westerly in north-west, but North-Westerly or Northerly elsewhere. Light or moderate in force generally.

Sea moderate to smooth.

Barometer falling at all but the southern French stations. Area of high pressure lying off the south-west of Ireland, and low pressure system over the Baltic. Large disturbance subsequently advancing towards our north-west coasts, and barometer falling rather quickly in west and north.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 97 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	54	43	52.9	45.6	49.0	-2.8	5	0.22	-0.27	•	•
	Stornoway	60	46	56.7	47.4	51.7	-1.4	4	0.42	-0.28	10	18
	Wick	60	46	58.4	47.9	52.8	-0.3	3	0.38	-0.01	•	•
1. SCOTLAND, E.	Nairn	67	49	63.3	56.4	56.4	+1.2	3	0.19	-0.30	•	•
	Aberdeen	62	47	60.1	48.4	53.8	-1.9	2	0.39	-0.08	17	14
	Leith	68	46	63.3	49.1	55.7	-0.8	2	0.03	-0.44	•	•
2. ENGLAND, N.E.	Alnwick Castle	63	41	59.6	48.0	53.4	-2.2	1	0.03	?	•	•
	Shields	64	43	61.9	49.1	55.1	-1.6	1	0.15	-0.29	•	•
	Durham	•	•	•	•	•	•	•	•	•	•	•
	Scarborough	64	46	58.9	49.2	53.7	-2.8	2	0.04	-0.46	•	•
	York	72	40	64.0	47.6	55.2	-3.3	2	0.03	-0.55	11	9
	Spurn Head	60	48	58.0	49.9	53.7	-3.4	2	0.03	?	•	•
	Hillington	72	40	66.7	45.7	55.5	-2.6	2	0.05	-0.46	38	32
	Yarmouth	64	48	59.4	49.6	54.2	-4.2	2	0.09	-0.41	•	•
	Geldeston	67	43	63.0	46.5	54.2	-4.2	1	0.06	-0.39	36	31
	Cambridge	72	41	68.3	47.4	56.2	-4.0	1	0.13	-0.41	32	28
3. ENGLAND, E.	Rothamsted	69	43	63.9	49.1	56.0	-4.1	1	0.02	-0.53	•	•
	Bawtry (Hesley Hall)	73	42	68.0	47.0	56.8	-1.7	2	0.06	-0.54	•	•
	Loughborough	70	46	65.3	49.4	56.8	-3.0	4	0.08	-0.47	•	•
	Leicester	70	44	66.6	49.1	57.2	-2.7	3	0.09	-0.41	18	15
	Birmingham (Oscott)	69	44	65.4	47.8	56.0	-3.3	1	0.02	-0.58	•	•
	Cheadle	67	46	62.7	47.6	54.6	-3.5	1	0.01	?	•	•
	Churchstoke	69	41	66.2	45.8	55.3	-2.4	1	0.11	?	36	31
	Hereford	74	45	70.8	49.1	59.2	-0.1	1	0.25	-0.24	•	•
	Cirencester	69	48	66.1	49.4	57.2	-1.2	2	0.05	-0.50	37	32
	Oxford	70	49	65.6	50.9	57.7	-1.7	1	0.05	-0.47	38	33
5. ENGLAND, S.	London†	71	49	66.1	52.4	58.8	-2.3	0	—	-0.53	27	24
	Marlborough	71	46	66.9	49.3	57.5	-0.1	2	0.24	-0.29	33	29
	Strathfield Turgiss	72	45	69.7	48.5	58.4	-0.2	1	0.03	-0.47	•	•
	Dover	66	46	62.7	51.1	56.5	-2.7	1	0.03	-0.37	•	•
	Hastings (St. Leonard's)	69	45	64.3	50.7	57.0	-1.8	1	0.04	-0.36	33	29
	Southampton	74	48	69.2	52.2	60.1	+0.6	2	0.16	-0.31	39	34
	Hurst Castle	72	47	66.0	52.6	58.8	0.0	1	0.07	-0.40	•	•
6. SCOTLAND, W.	Laudale (Loch Sunart)	62	42	60.2	48.1	53.7	-1.5	2	0.09	?	•	•
	Glasgow	70	44	63.9	47.5	55.1	-0.7	3	0.07	-0.65	24	20
	Ardrossan	66	45	63.4	48.1	55.2	-0.9	2	0.02	-0.63	•	•
	Silloth (Cumberland)	70	44	67.2	48.6	57.3	-0.7	1	0.04	-0.52	33	28
	Douglas (Isle of Man)	68	46	64.7	48.3	55.9	-0.2	1	0.01	-0.40	47	40
7. ENGLAND, N.W.	Newton Reigny (Penrith)	66	44	63.3	46.9	54.5	-1.7	0	—	?	21	18
	Barrow-in-Furness	65	49	62.6	51.6	56.8	-0.9	1	0.02	?	•	•
	Stonyhurst	68	46	65.8	49.7	57.2	+0.1	2	0.04	-0.76	29	25
	Blackpool	63	44	60.8	49.6	54.8	-3.3	1	0.04	-0.49	35	30
	Manchester	68	45	64.5	47.2	55.3	-3.5	0	—	-0.66	•	•
	Liverpool Obs† (Bidston)	67	51	63.6	52.7	57.8	-0.9	0	—	-0.48	•	•
	Llandudno	69	48	64.0	51.9	57.5	-0.5	0	—	-0.47	36	31
	Holyhead	68	48	64.4	51.9	57.7	-0.5	1	0.03	-0.44	•	•
8. ENGLAND, S.W.	Llandovery	73	48	70.7	50.9	60.1	+0.6	0	—	?	•	•
	Pembroke	66	50	63.0	52.9	57.6	-0.1	0	—	-0.48	70	61
	Arlington (N. Devon)	71	44	67.0	47.4	56.5	-2.0	0	—	?	•	•
	Cullompton	74	41	72.0	48.5	59.4	+0.3	0	—	?	57	50
	Falmouth	71	51	68.1	53.7	60.4	+1.7	1	0.01	-0.61	78	69
	Plymouth	75	48	72.1	52.9	61.8	+2.3	0	—	-0.47	64	57
	Prawle Point	75	47	69.9	52.9	60.8	+3.6	1	0.01	?	•	•
9. IRELAND, N.	Londonderry	72	46	66.0	49.2	57.0	+0.5	0	—	-0.65	•	•
	Mullaghmore	65	51	61.9	52.6	56.9	-0.8	2	0.06	?	•	•
	Markree Castle	68	40	64.1	47.5	55.2	-2.6	0	—	?	21	18
	Brookeborough	68	48	65.0	50.2	57.1	-0.8	0	—	?	•	•
	Armagh	68	47	65.7	50.6	57.6	-0.2	0	—	-0.53	20	17
	Donaghadee	65	44	61.1	49.7	55.0	-1.7	2	0.05	-0.45	•	•
10. IRELAND, S.	Dublin	70	49	66.9	53.5	59.7	+2.0	0	—	-0.49	23	20
	Parsonstown	70	46	67.9	48.4	57.5	0.0	0	—	-0.60	32	27
	Kilkenny (The Castle)	•	•	•	•	•	•	•	•	•	•	•
	Waterford	76	45	72.3	49.0	59.8	+0.7	1	0.12	-0.48	•	•
	Roche's Point	68	50	66.3	52.1	58.7	-0.5	1	0.01	-0.79	•	•
	Valencia	70	45	65.9	49.4	57.1	+0.2	1	0.05	-0.77	53	46
CHANNEL ISLANDS	Foynes	70	44	65.9	48.5	56.6	-0.5	1	0.02	?	•	•
	Scilly (St. Mary's)	68	52	54.9	54.4	59.3	+1.1	1	0.01	-0.43	•	•
	Jersey (Noirmont)	69	50	66.0	52.7	58.9	-0.2	0	—	-0.39	71	63

Stations marked *fr* are in connection with the Royal Meteorological Society.* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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New Series.

WEEK ENDING MONDAY, 30TH JUNE, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 104.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	71	39	62.8	47.4	53.0	0 (average)	Day deg. 77	Day deg. 628	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	76	48	67.3	50.8	58.5	2 above.	116	930	0	380
	2. ENGLAND, N.E.*	81	46	68.1	52.2	59.6	2 above.	123	954	0	282
	3. ENGLAND, EAST	84	39	72.9	50.4	60.9	1 above.	132	1159	0	318
	4. MIDLAND COUNTIES	84	42	73.1	50.5	61.1	1 above.	134	1182	0	322
	5. ENGLAND, SOUTH	83	42	72.2	53.5	62.2	2 above.	141	1288	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	83	48	67.7	53.1	59.9	3 above.	125	969	0	231
	7. ENGLAND, N.W.	81	42	68.2	52.6	59.8	1 above.	125	1035	0	254
	8. ENGLAND, S.W.	84	41	68.2	53.1	60.1	1 above.	127	1220	0	105
	9. IRELAND, NORTH	81	48	68.3	53.4	60.3	2 above.	128	1062	0	241
	10. IRELAND, SOUTH	75	44	68.2	54.6	60.9	2 above.	132	1274	0	127
	— CHANNEL ISLANDS	75	40	66.3	54.3	59.8	0 (average).	125	1356	0	9
DISTRICTS. (See p. 104.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	10ths of In. 4	10ths of In. 1 less.	116	18.6	47	629	38	25	
	1. SCOTLAND, EAST	2	2	3 less.	91	10.0	43	663	35	28	
	2. ENGLAND, N.E.*	1	1	5 less.	83	9.8	73	639	62	25	
	3. ENGLAND, EAST	1	1	5 less.	75	7.8	68	780	59	32	
	4. MIDLAND COUNTIES	2	6	0 (average).	78	11.4	53	655	46	27	
	5. ENGLAND, SOUTH	1	5	0 (average).	79	11.8	63	679	56	28	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	3	3	4 less.	108	32.1	40	614	34	24	
	7. ENGLAND, N.W.	3	4	2 less.	89	15.2	48	644	40	25	
	8. ENGLAND, S.W.	2	8	3 more.	93	17.1	43	754	38	30	
	9. IRELAND, NORTH	5	3	3 less.	112	18.1	29	551	24	22	
	10. IRELAND, SOUTH	2	2	4 less.	105	20.0	33	655	28	27	
	— CHANNEL ISLANDS	3	6	2 more.	101	14.3	65	1004	58	45	

General Remarks.

Weather has been cloudy over Ireland, but generally fine and bright in England and the greater part of Scotland. Towards the close of the period, however, the weather over England became temporarily unsettled, with local thunderstorms and some heavy falls of rain.

Temperature has been about equal to the mean in "Scotland, N." and the "Channel Islands", but from 1° to 3° above it in all other districts. The maxima, which were recorded on the 27th or 28th, varied from 71° in "Scotland, N." and 75° in "Ireland, S." and the "Channel Islands", to 81° in "England, N.W." and "Ireland, N.", 83° in "England, S.", and "Scotland, W.", and 84° in "England, E.", the "Midland Counties", and "England, S.W." The minima were registered on the 26th, and in "Scotland, N." and "England, E." were as low as 39°, while in other parts of the Kingdom they varied from 41° to 46°.

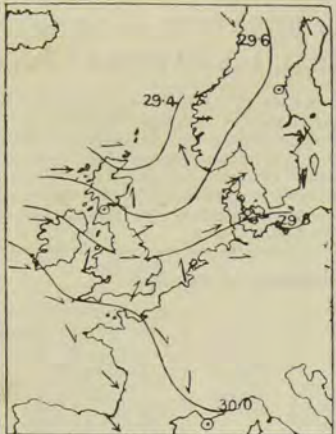
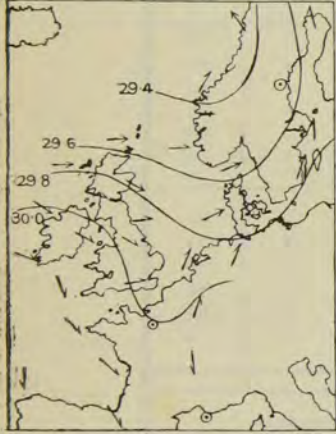
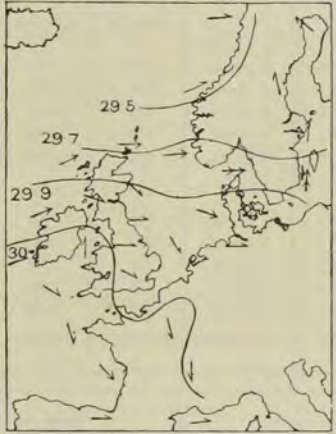
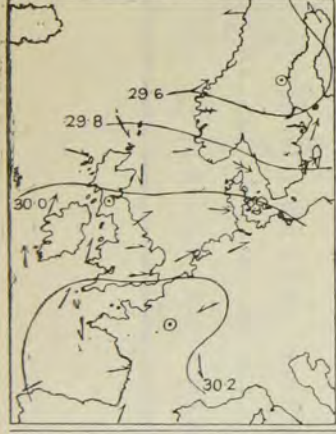
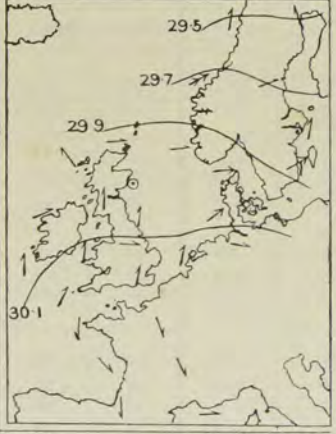
Rainfall has been a little more than the mean in "England, S.W." and the "Channel Islands" and about equal to it in "England, S." and the "Midland Counties", but less elsewhere.

Bright sunshine has been less prevalent than during last week over our south-western districts, but considerably more so in all other places. The percentages of possible duration varied from 62 in "England, N.E.", 59 in "England, E.", and 58 in the "Channel Islands", to 28 in "Ireland, S." and 24 in "Ireland, N."

Depressions observed.—Barometric pressure has been generally high and uniform over the whole of our area, the only depressions observed being some travelling north-eastwards over Scandinavia during the earlier part of the period and a few local "thunderstorm" disturbances over England towards its close. Light or moderate breezes, from the Westward were general during the first few days of the week, but subsequently variable airs or light breezes from the Eastward.

* Returns incomplete; values consequently liable to alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, June 24. <i>Weather</i> dull in the west and north, with rain at Stornoway, but generally fine elsewhere. Rain falling later at most of our western and northern stations. <i>Temperature</i> risen in most places; readings ranging from 62° at Aberdeen and Prawle Point to 50° in the Shetlands. Thermometer subsequently rising to 71° at Loughborough and 74° in London and at Cambridge. <i>Wind</i> fresh South-Westerly on our western and northern coasts, but moderate Westerly on eastern shores of North Sea, and light North-Westerly or Northerly in Channel. Westerly winds becoming general later, and blowing strongly in north of Scotland. <i>Sea</i> rough at Stornoway, moderate to smooth elsewhere. <i>Barometer</i> falling generally, most in north-west and north. Anticyclone, with readings above 30" ins., lying over the Bay of Biscay, and large depression off the north-west of Scotland. Depression moving away north-eastwards later, and recovery of pressure taking place in north-west.	
		Wednesday, June 25. <i>Weather</i> fine at most of the western stations, cloudy and unsettled elsewhere, with rain at Faro and Stornoway and fog at Cuxhaven and Helder. Sky clearing later on all but our extreme northern coasts. <i>Temperature</i> fallen a little in most places; readings ranging from 63° in London to 49° at Stornoway. Thermometer subsequently rising to 70° at Shields, 71° at Hurst Castle, 72° at Cambridge, and 73° in London. <i>Wind</i> South-Westerly on eastern shores of North Sea, but Westerly or North-Westerly elsewhere; moderate in force generally, but strong in the north of Scotland. <i>Sea</i> rather rough off the north of Scotland, moderate to smooth elsewhere. <i>Barometer</i> falling over the greater part of Scandinavia and Denmark, but rising in our Islands and France. Pressure still highest over the Bay of Biscay, but depression of previous day now over the west of Norway. Rise taking place generally later.	
		Thursday, June 26. <i>Weather</i> rainy in the west of Norway and dull on our western and northern coasts, but fine elsewhere, with, however, fog in the Straits of Dover. Rain falling later at several of our western and northern stations. <i>Temperature</i> fallen in the west of Norway, but risen elsewhere; readings ranging from 64° in London to 50° in the Shetlands. Thermometer subsequently rising to 77° at Oxford, 79° at Cambridge, and 80° in London. <i>Wind</i> light and variable in France, but Southerly on our extreme western coasts, and South-Westerly or Westerly elsewhere. Subsequently shifting to South-East in north of Scotland. <i>Sea</i> rather rough at Sumburgh Head and Valencia; moderate to smooth elsewhere. <i>Barometer</i> rising at all but the Swedish stations. Anticyclone lying over France and the Bay of Biscay, with large depression over the north of Scandinavia. Intervening gradients moderate. Slight fall of barometer taking place later over Ireland and England.	
		Friday, June 27. <i>Weather</i> dull in the west of Norway, but fine elsewhere, with, however, fog or mist in some places. <i>Temperature</i> risen at the majority of stations; readings ranging from 67° in London and at Oxford and Cambridge to 51° in the Shetlands. Highest maxima 82° in London and 81° at York and Loughborough. <i>Wind</i> moderate or fresh from the Westward in Scandinavia, and light from South-East on our western coasts, but variable airs reported elsewhere. Subsequently veering to North-West in Scandinavia. <i>Sea</i> slight or smooth on all our coasts. <i>Barometer</i> falling a little at the French and our south-western stations, but rising elsewhere. Large anticyclone covering our Islands and France, with lowest pressures in north of Scandinavia. Very little change later in day.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

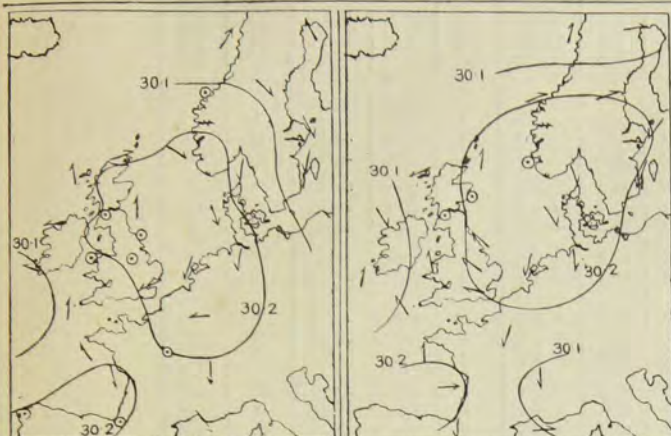
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, June 28.

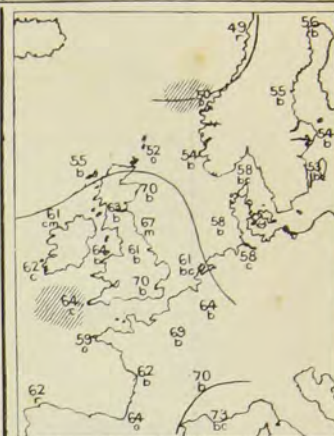
Weather cloudy lat some of the south-western stations, but fine elsewhere. Thunderstorms, with heavy rain, occurring over the south-west and south of England at night.

Temperature risen most places; readings ranging from 70° at Aberdeen and in London to 52° in the Shetlands. Thermometer subsequently rising to 80° at York and Oxford, 82° at Cambridge, and 83° in Loughborough.

Wind moderate North-westerly or Northerly in Scandinavia and Denmark, but light from South-East or East over England and Ireland.

Sea rather rough at Scilly, slight or smooth elsewhere.

Barometer rising generally, most in Sweden and Norway. Anticyclone noticed on previous day now lying over the North Sea and our east coasts. Slight fall setting in over our Islands later.



Sunday, June 29.

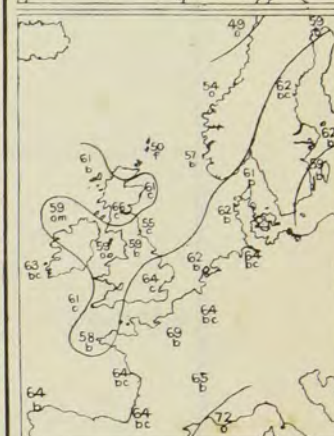
Weather unsettled and showery in many parts of England and Ireland, but fine elsewhere. Thunder occurring at some of the southern stations in morning, but weather improving during latter part of day.

Temperature fallen generally; readings ranging from 69° at Cambridge to 50° in the Shetlands. Thermometer subsequently rising to 72° in London, 73° at York, and 74° at Cambridge.

Wind light Westerly in France and the South-West of England but South-Easterly or Easterly in most other localities. South-Westerly breezes subsequently extending to South-East of England.

Sea slight or smooth.

Barometer falling at all but the Scandinavian and Danish stations. Anticyclone lying over Sweden and shallow depression over the south-west of England. Latter subsequently moving north-eastwards and barometer rising in south.



Monday, June 30.

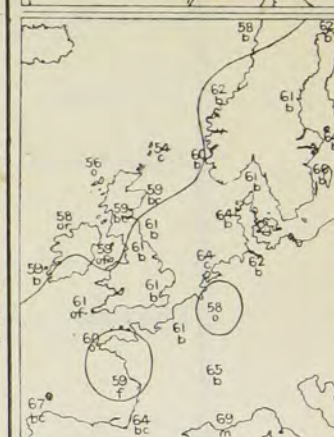
Weather fair generally.

Temperature risen a little in most places; readings varying from 64° at Nairn and Cambridge to 54° at Donaghadee. Highest maxima 76° at York and 75° at Nairn, Loughborough, and Cambridge.

Wind light South-Easterly in north but South-Westerly in south, with variable airs at the intermediate stations.

Sea moderate to smooth.

Barometer falling a little at our northern and eastern stations, but rising elsewhere. Areas of high pressure lying over Sweden and the Bay of Biscay, with low pressure system off the north-west of Scotland and shallow local disturbances over England and Ireland. Rise taking place generally later.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 101 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of pos- sible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head - - -	58	44	55.4	46.4	50.6	- 2.0	2	0.54	+0.05	*	*
	Stornoway - - -	71	45	62.3	48.7	55.0	+ 1.3	4	0.44	-0.27	47	38
	Wick - - -	65	39	60.7	47.0	53.4	- 0.4	1	0.20	-0.20	*	*
1. SCOTLAND, E.	Nairn - - -	75	50	67.1	51.0	58.4	- 2.2	3	0.34	-0.16	*	*
	Aberdeen - - -	73	48	66.0	50.1	57.5	+ 0.9	3	0.14	-0.35	43	35
	Leith - - -	76	48	68.7	51.4	59.5	+ 2.1	0	—	-0.49	*	*
2. ENGLAND, N.E.	Alnwick Castle - - -	72	49	66.3	52.4	58.9	+ 2.3	1	0.21	?	*	*
	Shields - - -	74	46	68.0	51.3	59.1	+ 1.7	2	0.07	-0.42	*	*
	Durham - - -	72	50	66.4	52.8	59.1	+ 1.4	2	0.06	-0.48	*	*
	Scarborough - - -	81	46	74.3	50.7	61.8	+ 2.5	0	—	-0.56	73	62
3. ENGLAND, E.	York - - -	70	50	65.4	53.9	59.3	+ 1.1	0	—	?	*	*
	Spurn Head - - -	84	39	77.3	47.5	61.7	+ 2.5	1	0.05	-0.50	757	249
	Hillington - - -	69	53	64.4	55.0	59.4	- 0.3	1	0.01	-0.52	*	*
	Yarmouth - - -	78	46	72.0	50.2	60.3	+ 1.0	0	—	-0.48	70	61
	Geldeston - - -	82	42	76.4	49.1	61.8	+ 0.4	1	0.07	-0.47	76	66
	Cambridge - - -	78	43	74.3	50.0	61.3	+ 0.1	3	0.25	-0.32	*	*
4. MIDLAND COUNTIES	Rothamsted - - -	84	42	76.4	49.0	61.7	+ 1.9	2	0.08	-0.54	*	*
	Bawtry (Hesley Hall) - -	83	42	74.3	49.7	61.1	+ 0.4	1	0.18	-0.37	*	*
	Loughborough - - -	83	45	74.4	50.9	61.8	+ 0.6	3	0.23	-0.29	51	44
	Leicester - - -	81	36	73.0	50.5	61.0	+ 1.0	1	0.02	-0.58	*	*
	Birmingham (Oscott) - -	78	44	69.0	50.4	59.1	+ 0.2	2	0.30	?	*	*
	Cheadle - - -	80	43	70.3	49.6	59.2	+ 0.8	3	1.19	?	40	34
	Churchstoke - - -	83	44	75.0	51.6	62.5	+ 2.2	2	1.32	+0.82	*	*
	Hereford - - -	79	42	72.1	50.3	60.4	+ 1.0	2	1.10	+0.52	57	50
5. ENGLAND, S.	Cirencester - - -	80	48	73.6	52.9	62.5	+ 2.2	2	0.86	+0.31	64	56
	Oxford - - -	82	48	76.1	52.9	63.7	+ 2.4	1	0.15	-0.38	52	46
	London† - - -	83	44	74.1	51.2	61.9	+ 2.9	2	1.25	+0.69	56	40
	Marlborough - - -	83	42	77.2	50.1	62.7	+ 3.1	1	0.47	-0.05	*	*
	Strathfield Turgiss - -	69	53	65.9	55.7	60.4	0.0	2	0.07	-0.33	*	*
	Dover - - -	79	52	67.7	54.9	60.9	+ 1.2	2	0.06	-0.34	75	66
	Hastings (St. Leonard's) -	81	50	75.2	54.6	64.2	+ 3.9	1	0.70	+0.22	70	61
	Southampton - - -	73	51	69.1	54.9	61.5	+ 2.1	1	0.92	+0.44	*	*
6. SCOTLAND, W.	Hurst Castle - - -	78	48	66.4	53.0	59.2	+ 2.9	3	0.64	?	*	*
	Laudale (Loch Sunart) - -	81	49	68.3	53.3	60.3	+ 3.6	2	0.18	-0.57	26	21
	Glasgow - - -	79	50	66.0	53.9	59.5	+ 2.8	2	0.02	-0.63	*	*
	Ardrossan - - -	83	50	71.0	53.1	61.4	+ 2.2	3	0.25	-0.32	40	41
	Silloth (Cumberland) - -	76	48	67.0	52.0	59.0	+ 2.3	3	0.43	-0.02	46	39
7. ENGLAND, N.W.	Douglas (Isle of Man) - -	80	46	69.7	50.1	59.2	+ 2.2	1	0.02	?	53	44
	Newton Reigny (Penrith) -	79	50	66.0	54.9	60.1	+ 1.9	2	0.21	-0.54	*	*
	Barrow-in-Furness - - -	79	46	68.6	51.6	59.5	+ 1.5	2	0.52	-0.23	49	42
	Stonyhurst - - -	81	46	67.9	50.7	58.7	- 0.2	3	0.28	-0.29	46	39
	Blackpool - - -	80	42	70.2	50.3	59.6	+ 0.2	2	0.12	-0.58	*	*
	Manchester - - -	81	51	69.4	54.7	61.5	+ 2.2	3	0.35	-0.19	*	*
	Liverpool Obs (Bidston) -	81	52	67.9	54.0	60.5	+ 1.3	4	0.98	+0.48	42	36
8. ENGLAND, S.W.	Llandudno - - -	78	53	66.0	54.1	59.6	+ 1.5	3	1.02	+0.55	*	*
	Holyhead - - -	84	46	73.4	53.6	62.8	+ 2.8	3	2.18	?	*	*
	Llandovery - - -	78	53	63.3	54.6	58.7	0.0	1	0.02	-0.46	44	38
	Pembroke - - -	74	43	67.9	50.6	58.7	- 0.8	3	0.83	?	*	*
	Arlington (N. Devon) - -	76	41	71.7	51.3	60.8	+ 0.6	2	1.96	?	43	38
	Cullompton - - -	69	53	66.2	55.1	60.2	+ 0.7	3	0.31	-0.34	40	35
	Falmouth - - -	73	47	70.0	53.7	61.3	+ 0.7	2	0.03	-0.46	46	41
9. IRELAND, N.	Plymouth - - -	68	48	64.9	53.0	58.5	+ 0.3	2	0.19	?	*	*
	Prawle Point - - -	81	49	70.2	53.7	61.4	+ 3.9	6	0.27	-0.32	*	*
	Londonderry - - -	74	52	66.1	56.1	60.8	+ 1.1	5	0.32	?	*	*
	Mullaghmore - - -	75	48	67.2	52.6	59.4	+ 0.6	5	0.12	?	26	22
	Markree Castle - - -	78	45	69.7	52.6	60.6	+ 1.6	2	0.25	?	*	*
	Brookeborough - - -	76	50	69.5	53.4	60.9	+ 2.0	6	0.34	-0.26	31	26
	Armagh - - -	61	49	66.9	51.9	58.9	+ 1.7	3	0.49	-0.64	*	*
10. IRELAND, S.	Donaghadee - - -	75	50	69.8	56.8	62.9	+ 4.2	3	0.31	-0.19	36	31
	Dublin - - -	75	48	68.6	53.9	60.7	+ 2.5	1	0.08	-0.52	31	26
	Parsonstown - - -	74	52	71.3	55.4	62.8	+ 3.1	1	0.14	-0.46	*	*
	Kilkenny (The Castle) - -	70	54	67.6	55.6	61.2	+ 1.4	3	0.12	-0.64	*	*
	Waterford - - -	67	51	64.3	54.0	58.8	+ 1.1	3	0.35	-0.45	32	28
	Valencia - - -	72	44	67.4	52.0	59.2	+ 1.4	3	0.30	?	*	*
CHANNEL ISLANDS	Foynes - - -	68	55	55.6	55.4	60.1	+ 1.1	4	0.11	-0.33	*	*
	Seilly (St. Mary's) - - -	75	40	66.9	53.1	59.5	- 0.5	2	1.10	+0.70	65	58
	Jersey (Noirmont) - - -											

Stations marked **fr** are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Banhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 27.]
New Series.

WEEK ENDING MONDAY, 7TH JULY, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 108.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	70	47	61.5	51.2	56.0	2 above	Day deg. 98	Day deg. 726	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	69	43	62.7	52.4	57.2	0 (average.)	106	1036	0	380
	2. ENGLAND, N.E.	83	51	67.0	55.3	60.7	2 above.	131	1085	0	282
	3. ENGLAND, EAST	88	47	76.5	53.8	64.4	3 above.	157	1316	0	318
	4. MIDLAND COUNTIES	87	43	74.6	53.2	63.2	2 above.	148	1350	0	322
	5. ENGLAND, SOUTH	86	46	72.2	55.3	63.2	2 above.	148	1376	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	78	44	69.5	54.2	61.4	4 above.	136	1105	0	231
	7. ENGLAND, N.W.	79	42	70.5	54.8	62.1	3 above.	141	1176	0	254
	8. ENGLAND, S.W.	77	45	68.5	54.7	61.1	1 above.	134	1354	0	105
	9. IRELAND, NORTH	78	45	68.7	54.5	61.1	2 above.	134	1196	0	241
	10. IRELAND, SOUTH	73	42	68.1	53.9	60.5	1 above.	130	1404	0	127
	— CHANNEL ISLANDS	75	54	68.6	57.4	62.6	1 above.	144	1500	0	9

DISTRICTS. (See p. 108.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	10ths of In. 1	10ths of In. 4 less.	118	Ins. 18.7	41	670	33	25
	1. SCOTLAND, EAST	5	10	5 more.	96	11.0	10	673	8	27
	2. ENGLAND, N.E.	3	7	2 more.	86	10.5	33	672	28	25
	3. ENGLAND, EAST	2	4	1 less.	77	8.2	59	839	52	32
	4. MIDLAND COUNTIES	4	5	1 less.	82	11.9	47	702	41	27
	5. ENGLAND, SOUTH	3	3	2 less.	82	12.1	59	738	52	29
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	5	17	12 more.	113	33.8	36	650	30	24
	7. ENGLAND, N.W.	4	8	1 more.	93	16.0	34	678	29	25
	8. ENGLAND, S.W.	5	7	1 more.	98	17.8	48	802	43	30
	9. IRELAND, NORTH	4	8	1 more.	116	18.9	26	577	22	22
	10. IRELAND, SOUTH	4	6	0 (average).	109	20.6	29	684	25	26
	— CHANNEL ISLANDS	4	7	3 more.	105	15.0	60	1064	54	45

General Remarks.

Weather has varied greatly in different parts of the Kingdom. In most of the English districts it has been fine and warm, though towards the close of the period some sharp thunderstorms and heavy local rains were experienced. A thunderstorm occurred at the same time in the south of Scotland also. In Ireland and the west of Scotland it has been cloudy or dull, with rather frequent falls of rain; while in the east and north-east of Scotland a thick wet fog or mist has prevailed.

Temperature has been about equal to the mean in "Scotland, E.", but from 1° to 4° above it in all other districts. The maxima were generally registered on the 4th, and varied from 69° in "Scotland, E." to 86° in "England, S.", 87° in the "Midland Counties", and 88° in "England, E." The minima, which were recorded during the earlier days of the period, ranged from 42° in "England, N.W." and "Ireland, S." and 43° in the "Midland Counties" and "Scotland, E.", to 51° in "England, N.E." and 54° in the "Channel Islands".

Rainfall has been a little less or about equal to the mean in "Scotland, N.", "England, E.", the "Midland Counties", "England, S.", and "Ireland, S.", but more elsewhere.

Bright sunshine shows a marked decrease in "Scotland, E.", and a slight decrease in nearly all other places. The percentage of possible duration varied from 54 in the "Channel Islands" and 52 in "England, S." and "England, E.", to 22 in "Ireland, N." and 8 in "Scotland, E."

Depressions observed.—Beyond a few shallow "thunderstorm" depressions which passed over our Islands during the latter part of the period, and a deeper disturbance which moved northwards over the west of Ireland on the 7th, there have been no depressions worthy of notice. Barometric readings have been, as a rule, exceedingly uniform, and the wind generally light and variable on all our coasts.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, July 1. <i>Weather</i> foggy or misty at most of the northern stations, but fair in the south. A little rain falling at Valencia in evening. <i>Temperature</i> fallen in the west and north, but changed irregularly elsewhere; readings ranging from 68° at Cambridge to 52° at Stornoway and Donaghadee. Highest maxima 77° at Loughborough and Cambridge and 76° in London. <i>Wind</i> light Easterly in Scotland and the south of Norway, and South-Westerly on the Channel coasts, but very variable elsewhere. <i>Sea</i> slight or smooth generally. <i>Barometer</i> rising in most places. Readings highest in Sweden, with areas of relatively low pressure over our Islands and the south of France, but readings very uniform. Slight fall taking place at our southern stations later.	
		Wednesday, July 2. <i>Weather</i> foggy on our north and east coasts, but fair or fine elsewhere. Slight rain falling later at some of our western and northern stations, and thunderstorms occurring in the south-west of England. <i>Temperature</i> changed little and irregularly; readings ranging from 65° at Cambridge to 53° at Donaghadee. Highest maxima 80° at Cambridge and 78° at Loughborough and in London. <i>Wind</i> moderate Easterly in the west of France, but light Southerly or South-Easterly over the greater part of our Islands and Scandinavia. Subsequently shifting to North-West over the west of France. <i>Sea</i> rather rough at Valencia, slight or smooth elsewhere. <i>Barometer</i> falling very slightly at most stations. Pressure still highest in Sweden, and relatively low over our Islands, but readings exceedingly uniform. Slight local depressions appearing later over the Channel and north-west of England.	
		Thursday, July 3. <i>Weather</i> still foggy in the north and fine in the east and south-east, but dull in the south-west, with showers at Pembroke. Thunderstorms occurring later at several of our western stations as well as at Leith. <i>Temperature</i> risen a little in most places; readings ranging from 70° at Liverpool and Cambridge to 53° in the Shetlands. Highest maxima 85° at Loughborough and Cambridge, 84° in London, 83° at York, and 81° at Oxford. <i>Wind</i> Westerly in the Bay of Biscay, but chiefly South-Easterly elsewhere; light or moderate in force generally. Subsequently shifting to South-West on our south-west coasts. <i>Sea</i> moderate to smooth. <i>Barometer</i> falling generally. Pressure highest Scandinavia, with depression off the south-west of Ireland and some very shallow disturbances over our eastern coasts. Depression moving northwards later and barometer continuing to fall generally.	
		Friday, July 4. <i>Weather</i> foggy on our northern and eastern coasts, and dull in the south-west, but fine elsewhere. Thunderstorms occurring later in nearly all parts of the Kingdom, with unusually large hail at Ardrossan. <i>Temperature</i> risen a little; readings ranging from 75° in London to 52° in the Shetlands. Thermometer subsequently rising to 86° at Loughborough and in London and 87° at Cambridge. <i>Wind</i> light in force generally; South-Westerly in the south of England, Westerly in the north-east of France, and South-Easterly or Easterly elsewhere. <i>Sea</i> moderate to smooth. <i>Barometer</i> falling a little in most places. Readings highest in the south-east of France, with depression off the south of Ireland and some shallow local disturbances over our east and south-east coasts.	

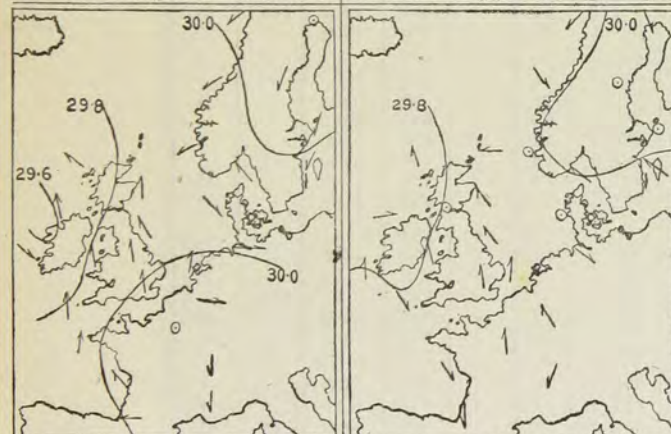
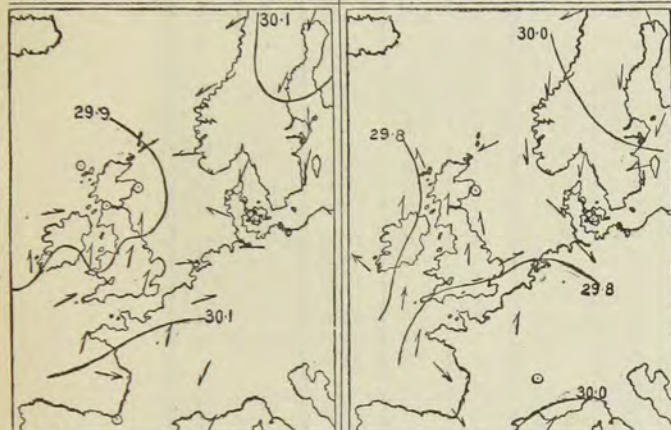
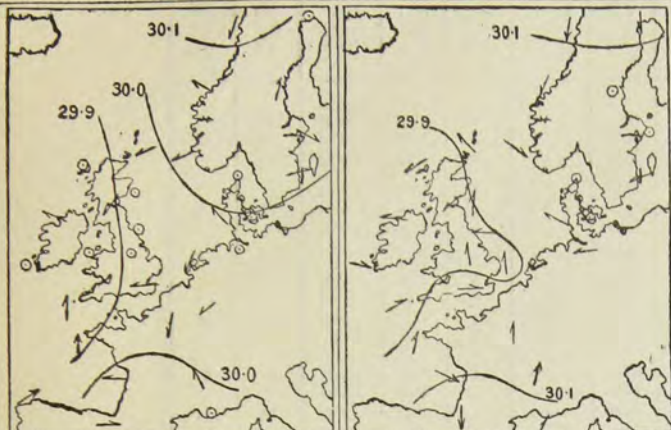
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, July 5.

Weather still foggy in the north and north-east, and cloudy in the west, but moderately fine elsewhere. Showers falling later in most parts of the Kingdom, and thunderstorms occurring at many of the English stations.

Temperature changed rather irregularly; readings ranging from 70° in London to 53° in the Shetlands. Highest maxima 80° at York and Cambridge, and 76° in London.

Wind light in force, chiefly from the South-Eastward. Subsequently shifting to South-West in the south of England.

Sea smooth on all coasts.

Barometer falling a little in the north, but rising elsewhere. Areas of relatively high readings lying over the north of Scandinavia and south of France, and lowest pressures off our western coasts, but readings still very uniform.

Sunday, July 6.

Weather rainy in Scotland, but fair in most other parts of western Europe. Rain setting in later over the south of Ireland, and thunderstorms occurring in many parts of Great Britain.

Temperature fallen over the greater part of England; readings ranging from 69° at Yarmouth to 57° at Aberdeen. Highest maxima 73° at York, 72° at Loughborough and Yarmouth, and 71° in London and at Cambridge.

Wind light in force in most places; South-Westerly or Westerly in the south and Easterly in the extreme north, but variable at the intermediate stations. Strong South-East wind subsequently setting in at Valencia.

Sea slight or smooth.

Barometer rising at our southern and the French stations as well as in the north of Sweden, but falling elsewhere. Areas of high pressure lying over the Bay of Biscay and north of Scandinavia and large area of low readings over our north and north-west coasts. Depression subsequently approaching south Ireland and barometer falling quickly in south-west.

Monday, July 7.

Weather foggy in the north of Scotland and dull and rainy at several of our western stations, but fine elsewhere.

Temperature fallen a little in most places; readings ranging from 64° at Mullaghmore and Cambridge to 55° at Donaghadee. Highest maxima 76° in London, 74° at Cambridge, and 72° at Oxford.

Wind variable on eastern shores of North Sea, but chiefly Southerly elsewhere, and strong in force on some parts of our western coasts. Subsequently veering to West in the west of Ireland and falling light in most places.

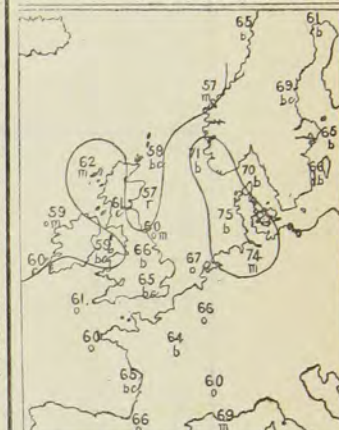
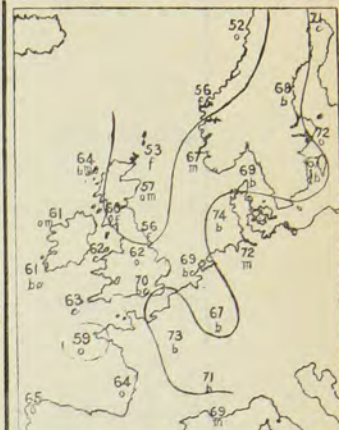
Sea rather rough in the south-west.

Barometer falling rather quickly in west, and less rapidly in most other districts. Areas of high pressure lying over the north of Scandinavia and east of France with depression over the west of Ireland. Latter subsequently moving away in a northerly direction and barometer rising in west.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 105 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	62	50	58.0	50.7	54.1	+ 1.0	2	0.03	-0.45	•	•
	Stornoway	70	47	66.9	51.7	58.8	+ 4.7	4	0.27	-0.43	41	33
	Wick	65	50	59.7	51.1	55.1	+ 0.6	1	0.10	-0.35	•	•
1. SCOTLAND, E.	Nairn	69	43	63.0	52.6	57.4	+ 0.5	5	0.56	+0.02	•	•
	Aberdeen	69	50	62.6	52.6	57.3	+ 0.4	3	0.34	-0.19	10	8
	Leith	67	50	62.6	52.1	57.0	- 1.3	6	2.06	+1.56	•	•
2. ENGLAND, N.E.	Alnwick Castle	68	53	64.6	55.0	59.5	+ 2.0	4	1.55	?	•	•
	Shields	66	51	61.9	52.9	57.1	- 1.0	4	0.60	+0.09	•	•
	Scarborough	74	53	65.4	56.0	60.4	+ 1.8	4	0.49	-0.11	•	•
	York	83	51	75.9	55.6	65.0	+ 4.6	4	0.98	+0.43	33	28
3. ENGLAND, E.	Spurn Head	73	56	67.0	57.0	61.7	+ 2.5	1	0.01	?	•	•
	Hillington	88	49	80.7	52.2	65.5	+ 5.4	4	1.31	+0.71	53	46
	Yarmouth	72	56	69.3	57.6	63.0	+ 2.4	1	0.01	-0.57	•	•
	Geldesdon	82	49	77.8	53.8	65.0	+ 4.8	1	0.03	-0.49	66	58
	Cambridge	87	49	79.1	54.0	65.7	+ 3.6	3	0.76	+0.23	59	52
	Rothamsted	83	47	75.6	51.6	62.8	+ 1.0	2	0.10	-0.50	•	•
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	87	49	80.6	52.3	65.6	+ 4.9	2	0.05	-0.60	•	•
	Loughborough	86	49	77.7	53.7	64.9	+ 3.3	4	0.34	-0.21	•	•
	Leicester	86	51	73.9	54.6	65.9	+ 4.0	4	0.31	-0.24	50	43
	Birmingham (Oscott)	81	51	74.0	54.6	63.6	+ 1.8	4	0.35	-0.25	•	•
	Cheadle	75	51	70.6	54.5	62.0	+ 2.2	5	0.63	?	•	•
	Churchstoke	76	43	71.5	48.7	59.3	0.0	5	0.57	?	39	34
	Hereford	78	46	73.8	52.5	62.4	+ 1.2	4	0.94	+0.44	•	•
	Cirencester	74	46	70.4	52.3	60.7	+ 0.4	5	0.52	-0.08	46	40
5. ENGLAND, S.	Oxford	81	52	73.9	55.7	64.1	+ 3.3	5	0.32	-0.26	53	46
	London†	86	52	78.1	55.6	66.1	+ 3.3	2	0.21	-0.32	51	45
	Marlborough	78	47	72.6	54.2	62.8	+ 3.0	5	0.42	-0.18	50	44
	Strathfield Turgiss	83	46	75.2	51.6	62.7	+ 2.4	2	0.28	-0.25	•	•
	Dungeness	73	51	70.0	56.3	62.7	+ 1.5	2	0.44	?	•	•
	Hastings (St. Leonard's)	76	54	68.3	57.7	62.6	+ 2.4	2	0.03	-0.37	74	66
	Southampton	79	49	72.8	55.8	63.7	+ 2.7	3	0.39	-0.14	60	53
	Hurst Castle	73	51	68.1	56.1	61.7	+ 1.6	3	0.19	-0.31	•	•
6. SCOTLAND, W.	Laudale (Loch Sunart)	77	52	70.7	57.2	63.5	+ 6.9	5	1.55	?	•	•
	Glasgow	71	53	68.2	54.1	60.7	+ 3.3	5	1.06	+0.31	19	16
	Ardrossan	74	50	68.6	54.3	61.0	+ 3.6	5	?	?	•	•
	Silloth (Cumberland)	78	45	72.4	53.8	62.5	+ 2.9	6	3.29	+2.69	39	33
	Douglas (Isle of Man)	72	44	67.7	51.8	59.2	+ 2.6	4	0.92	+0.44	49	42
7. ENGLAND, N.W.	Newton Reigny (Penrith)	79	42	72.4	50.6	60.7	+ 2.9	6	0.61	?	29	24
	Barrow-in-Furness	74	52	69.0	56.9	62.5	+ 3.9	5	0.44	?	•	•
	Stonyhurst	77	46	71.8	54.3	62.4	+ 3.8	4	0.81	-0.09	33	28
	Blackpool	75	46	71.4	52.8	61.5	+ 2.1	4	0.61	-0.02	30	26
	Manchester	78	52	71.7	55.4	63.0	+ 3.1	3	1.03	+0.29	•	•
	Liverpool Obs (Bidston)	77	55	72.7	57.4	64.5	+ 4.6	5	0.77	+0.17	•	•
	Llandudno	72	50	68.2	54.9	61.1	+ 1.1	3	1.27	+0.72	44	38
	Holyhead	73	53	66.6	56.3	61.1	+ 2.5	4	0.59	+0.13	•	•
8. ENGLAND, S.W.	Llandoverly	77	47	74.1	55.3	64.1	+ 3.6	6	1.13	?	•	•
	Pembroke	68	52	63.9	55.9	59.6	+ 0.2	6	1.04	+0.57	47	41
	Arlington (N. Devon)	71	45	69.1	52.6	60.3	- 0.2	4	0.41	?	•	•
	Cullompton	73	46	70.3	52.4	60.7	- 0.5	6	0.30	?	45	40
	Falmouth	70	52	66.4	56.5	61.1	+ 1.1	5	0.90	+0.23	50	45
	Plymouth	73	47	70.3	55.3	62.3	+ 1.2	5	0.26	-0.28	51	46
	Prawle Point	67	50	65.4	55.1	59.9	+ 0.9	4	0.59	?	•	•
9. IRELAND, N.	Londonderry	78	49	72.8	54.6	63.1	+ 5.2	4	0.52	-0.18	•	•
	Mullaghmore	72	55	67.0	58.0	62.2	+ 3.1	6	1.47	?	•	•
	Markree Castle	72	47	69.0	53.6	60.8	+ 1.4	4	0.61	-0.13	25	21
	Brookeborough	72	45	69.2	53.5	60.8	+ 1.3	4	0.94	?	•	•
	Armagh	71	50	69.5	54.7	61.6	+ 2.2	3	0.58	-0.07	27	23
	Donaghadee	67	49	64.4	52.3	57.9	+ 0.3	4	0.65	+0.16	•	•
10. IRELAND, S.	Dublin	71	53	69.2	56.4	62.4	+ 3.0	3	0.27	-0.27	27	23
	Parsonstown	73	42	69.6	53.4	60.9	+ 2.0	5	0.82	+0.29	24	21
	Kilkenny (The Castle)	•	•	•	•	•	•	•	•	•	•	•
	Waterford	71	46	68.6	53.1	60.3	+ 0.2	5	0.59	-0.01	•	•
	Roche's Point	71	50	66.9	54.7	60.4	+ 0.2	4	0.62	-0.11	•	•
	Valencia	68	45	64.9	53.4	58.8	+ 0.4	3	0.62	-0.18	35	31
CHANNEL ISLANDS	Foynes	73	45	69.6	52.3	60.4	+ 1.8	3	0.84	?	•	•
	Seilly (St. Mary's)	69	54	67.4	57.0	61.8	+ 1.1	5	1.26	+0.86	•	•
	Jersey (Noirmont)	75	57	69.7	57.7	63.3	+ 1.5	3	0.06	-0.32	60	54

Stations marked $\mathfrak{A}$ are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

Note.—It will be observed that observations from Dungeness are now received instead of from Dover. Durham has been removed from the list of stations as the reports so frequently failed to reach us.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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New Series.

WEEK ENDING MONDAY, 14TH JULY, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 29 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 112.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	70	45	63·4	52·6	57·6	3 above.	Day deg. 109	Day deg. 835	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	76	48	68·4	54·8	61·1	3 above.	134	1170	0	380
	2. ENGLAND, N.E.	78	52	69·4	56·3	62·4	3 above.	143	1228	0	232
	3. ENGLAND, EAST	85	50	74·5	56·2	64·7	3 above.	159	1475	0	318
	4. MIDLAND COUNTIES	83	47	71·7	54·1	62·3	1 above.	142	1472	0	322
	5. ENGLAND, SOUTH	84	49	71·1	56·8	63·4	2 above.	150	1526	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST *	73	49	66·9	55·4	60·8	3 above.	132	1237	0	231
	7. ENGLAND, N.W.	76	49	68·8	55·1	61·4	2 above.	136	1312	0	254
	8. ENGLAND, S.W.	75	43	66·9	54·6	60·3	1 below.	128	1482	0	105
	9. IRELAND, NORTH	73	44	66·7	52·8	59·3	0 (average.)	121	1317	0	241
	10. IRELAND, SOUTH	70	45	66·6	52·5	59·0	1 below.	119	1523	0	127
	— CHANNEL ISLANDS	72	53	67·1	56·1	61·2	0 (average.)	134	1634	0	9

DISTRICTS. (See p. 112.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of In. 4	10ths of In. 1 less.	122	Ins. 19·1	42	712	35	26
	1. SCOTLAND, EAST	6	8	2 more.	102	11·8	—	—	—	—
	2. ENGLAND, N.E.	5	13	7 more.	91	11·8	49	721	42	26
	3. ENGLAND, EAST	5	6	0 (average).	82	8·8	46	885	40	33
	4. MIDLAND COUNTIES	5	10	4 more.	87	12·9	39	732	26	27
	5. ENGLAND, SOUTH	6	10	4 more.	88	13·1	33	771	29	29
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST *	6	20	14 more.	119	35·8	40	690	34	24
	7. ENGLAND, N.W.	6	16	9 more.	99	17·6	35	713	30	26
	8. ENGLAND, S.W.	6	6	0 (average).	104	18·4	46	848	41	31
	9. IRELAND, NORTH	5	9	2 more.	121	19·8	53	630	46	23
	10. IRELAND, SOUTH	6	13	6 more.	115	21·9	49	733	43	27
	— CHANNEL ISLANDS	6	15	8 more.	111	16·3	27	1091	25	45

General Remarks.

Weather, though fine and warm over the greater part of England at the opening of the period, has been cloudy and unsettled generally, with a good deal of rain, and in many places some sharp thunderstorms.

Temperature has been a little below the mean in "England, S.W." and "Ireland, S." and about equal to it in "Ireland, N." and the "Channel Islands", but in all other districts it has exceeded its normal value by 1° to 3°. The maxima, which were generally registered on the 8th, varied from 70° in "Scotland, N." and "Ireland, S." and 72° in the "Channel Islands", to between 83° and 85° over southern, central, and eastern England. The minima were recorded during the latter part of the period, and ranged from 45° in "England, S.W." to 52° in "England, N.E." and 53° in the "Channel Islands".

Rainfall has been rather less than, or about equal to, the mean in "Scotland, N.", "England, E.", and "England, S.W.", but considerably more elsewhere.

Bright sunshine has been less prevalent than during last week in "England, E.", "England, S.", and the "Channel Islands", but more so in all other districts. The percentages of possible duration varied from 25 in the "Channel Islands" to 46 in "Ireland, N."

Depressions observed.—Pressure has been generally highest in the southern and south-eastern parts of our area, while a series of depressions moving northwards outside our western and north-western coasts and some local "thunderstorm" disturbances in different parts of England and Scotland, have caused frequent oscillations in the barometer over the United Kingdom. The wind, which has been moderate to fresh in force, has varied between South and South-East, or East.

* Returns incomplete; values consequently liable to alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, July 8. <i>Weather</i> dull and foggy in the extreme north, but fine elsewhere. A little rain falling later at some of our western stations, and thunderstorms occurring in many parts of Great Britain. <i>Temperature</i> risen a little in most places; readings ranging from 70° in London to 53° in the Shetlands. Highest maxima 84° in London, 83° at Loughborough, and 82° at Cambridge. <i>Wind</i> light and variable in France and also on the eastern shores of the North Sea, but Southerly or South-Easterly breezes reported in most parts of our Islands. Subsequently veering to South-West in the south of England. <i>Sea</i> rough at Valencia, slight or smooth elsewhere. <i>Barometer</i> falling a little on our eastern and southern coasts, but rising in all other localities. Pressure highest over Scandinavia and lowest off our western coasts, but small shallow depression lying over the Channel. Depression subsequently moving northwards, and barometer falling at all but our extreme northern stations.	
		Wednesday, July 9. <i>Weather</i>, fair on the whole, but a good deal of cloud prevailing locally, and rain falling at Hurst Castle. Showers falling subsequently in all parts of the Kingdom, with thunderstorms in many parts of Great Britain. <i>Temperature</i> changed little and irregularly; readings ranging from 72° at Dungeness to 57° at Wick. Thermometer rising during day to 76° at Nairn, York, and Loughborough, 84° in London, and 85° at Cambridge. <i>Wind</i> Easterly or North-Easterly in the Channel and north of France, but South-Easterly or Southerly elsewhere. Light or moderate in force in most places, but slight gale blowing at Valencia. <i>Sea</i> rough on our south-west coasts. <i>Barometer</i> rising in Scandinavia, Denmark, and the north of Scotland, but falling elsewhere. Pressure relatively high in Scandinavia and the south-east of France, with area of low readings lying off the south-west of Ireland, and small shallow depression over the north of England. No important change later.	
		Thursday, July 10. <i>Weather</i> fine in Scandinavia, Denmark, the east of Scotland, and south of Ireland, but changeable and unsettled elsewhere, with rain in several places. Thunderstorms and heavy rain occurring later in many parts of the Kingdom. <i>Temperature</i> fallen a little in the west and south; readings ranging from 68° at Cambridge to 55° in the Shetlands and 54° at Pembroke. Maxima over England several degrees lower than on previous day, highest being 73° at York. <i>Wind</i> Southerly or South-Westerly on our south and south-west coasts, but South-Easterly or Easterly in the north; light or moderate in force in most places. <i>Sea</i> rough in the extreme west and south-west. <i>Barometer</i> rising at the Swedish and some of our south-western stations, but falling elsewhere. Distribution of pressure very similar to that of previous day, areas of high readings being found over Sweden and the south-east of France, with lowest pressures to the westward of our Islands.	
		Friday, July 11. <i>Weather</i> rainy and unsettled in Scotland, but generally fine elsewhere. Showers falling later in most parts of the Kingdom, with thunderstorms at several of the English stations. <i>Temperature</i> fallen a little; readings ranging from 63° in London to 55° at Leith. Highest maxima 72° at York, 71° in London, and 70° at Loughborough. <i>Wind</i> Easterly in Scandinavia, Denmark, and the north of Scotland, but Southerly or South-Westerly elsewhere; moderate in force in most places. <i>Sea</i> rough on our extreme south-west coasts as well as at Aberdeen. <i>Barometer</i> rising at all but our extreme northern stations. Areas of relatively high pressure still lying over Scandinavia and the south-east of France, with depression off the west of Ireland, and small shallow disturbances over Great Britain.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

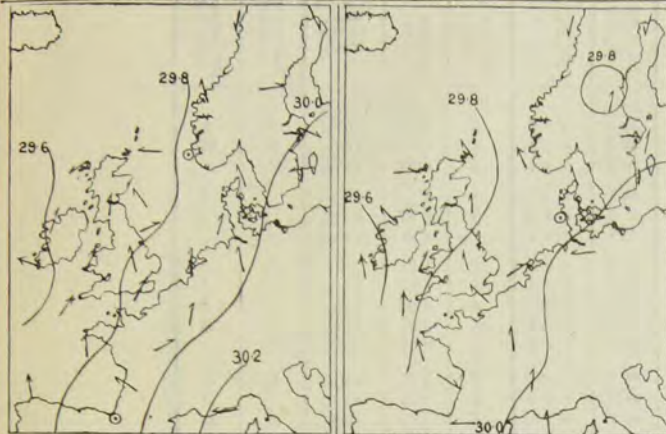
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, July 12.

Weather fair in most places, but showers falling at several of our southern stations. Rain falling later in most parts of England, and thunderstorms occurring locally.

Temperature changed very little; readings ranging from 66° at Yarmouth to 56° at Nairn and Aberdeen. Highest maxima 72° at York, 71° at Spurn Head and Liverpool, and 70° at Leith, Loughborough, and Hurst Castle.

Wind generally Southerly, but inclining to South-East in the west, and to South-West in the east, moderate in force in most places.

Sea rough in the south-west.

Barometer rising at all but the Scandinavian stations. Pressure highest over the south-east of France, and lowest off our western coasts. Small shallow disturbances still passing over Great Britain. Slight rise of barometer continuing all day.



Sunday, July 13.

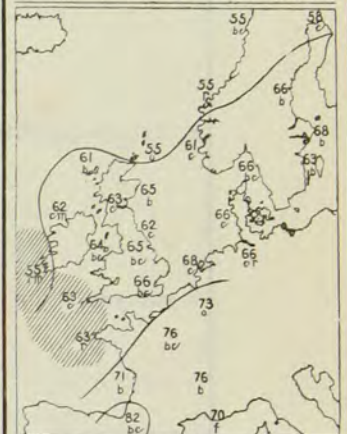
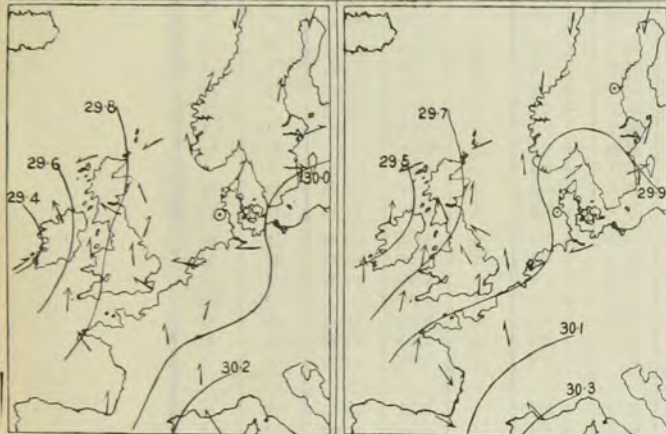
Weather unsettled and showery in the west of our Islands, but generally fine elsewhere. Showers falling later in all parts of the Kingdom, and thunderstorms occurring in the north and north-west.

Temperature risen in most places; readings ranging from 69° at Hurst Castle and Cambridge to 55° at Sumburgh Head and Valencia. Highest maxima 82° in London, 78° at York and Oxford, and 77° at Loughborough.

Wind variable on eastern shores of North Sea, but South-Easterly or Southerly elsewhere; light or moderate in force in east but fresh or strong in west. Subsequently veering to South-West in South.

Sea rough on our south-west coasts.

Barometer rising at all but our extreme western stations. Readings still highest over the south-east of France, with well marked depression off the west of Ireland. Depression moving northwards later, and barometer falling in most parts of our Islands.



Monday, July 14.

Weather fair in most places, but showers reported locally. Rain falling later in nearly all parts of the kingdom, and thunderstorms occurring at Nairn, Aberdeen, and Donaghadee.

Temperature fallen a few degrees; reading ranging from 64° at Nairn, Spurn Head, and Yarmouth to 56° at Mullaghmore. Highest maxima 74° at Cambridge and 73° at Leith and in London.

Wind fresh or strong from the South-Westward or Southward in our Islands, but moderate from East in Norway.

Sea rough on our south-west coasts.

Barometer rising at the French and our southern stations, but falling elsewhere. Pressure highest in the south-east of France, and depression of previous day now lying off the west of Scotland. No important change later.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 109 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	64	50	61.0	52.0	56.2	+ 2.7	2	Inches. 0.24	Inches. -0.23	42	35
	Stornoway	70	48	65.6	54.3	59.6	+ 5.2	5	0.78	+0.08	*	*
	Wick	67	45	63.6	51.3	57.0	+ 2.0	4	0.30	-0.18	*	*
1. SCOTLAND, E.	Nairn	76	50	69.3	55.3	61.8	+ 4.4	6	0.20	-0.37	*	*
	Aberdeen	70	48	65.4	54.3	59.5	+ 2.4	6	0.92	+0.35	2	2
	Leith	75	52	70.4	54.7	62.0	+ 3.5	7	1.27	+0.72	*	*
2. ENGLAND, N.E.	Alnwick Castle	71	52	67.1	55.0	60.6	+ 3.0	6	1.64	?	*	*
	Shields	70	54	67.3	55.3	60.9	+ 2.7	5	1.01	+0.46	*	*
	Scarborough	76	54	69.1	56.5	62.4	+ 3.0	4	0.66	+0.05	*	*
	York	78	52	74.3	56.7	64.9	+ 3.5	6	2.61	+1.99	49	42
3. ENGLAND, E.	Spurn Head	72	55	69.4	57.9	63.3	+ 3.3	4	0.35	-0.19	*	*
	Hillington	85	52	77.6	56.1	66.1	+ 5.6	3	0.31	-0.33	45	37
	Yarmouth	72	54	69.1	59.1	63.8	+ 2.7	6	0.41	-0.19	*	*
	Geldeston	81	53	77.0	56.8	66.2	+ 5.3	4	0.18	-0.41	57	50
4. MIDLAND COUNTIES	Cambridge	85	50	75.4	54.9	64.4	+ 2.0	5	1.36	+0.82	37	33
	Rothamsted	80	50	73.3	54.0	62.9	+ 0.7	5	0.79	+0.15	*	*
	Bawtry (Hesley Hall)	82	51	76.0	55.3	64.9	+ 3.5	5	1.59	+0.91	*	*
	Loughborough	83	51	73.6	55.3	63.8	+ 1.8	5	1.32	+0.78	*	*
	Leicester	82	51	74.4	54.9	64.0	+ 2.0	5	1.46	+0.86	27	23
	Birmingham (Oscott)	78	49	70.7	54.4	61.9	+ 0.7	6	0.77	+0.17	*	*
	Cheadle	74	48	68.9	52.7	60.2	0.0	5	0.78	?	*	*
	Churchstoke	75	48	69.5	52.3	60.3	+ 0.5	6	0.58	?	40	35
5. ENGLAND, S.	Hereford	78	48	71.8	53.4	62.0	+ 0.5	6	0.74	+0.23	*	*
	Cirencester	76	47	69.7	52.9	60.7	- 0.2	6	0.93	+0.28	23	20
	Oxford	78	51	70.9	55.9	62.9	+ 1.6	5	0.68	+0.10	28	25
	London†	84	53	76.3	56.9	65.9	+ 2.7	5	0.49	-0.04	35	31
	Marlborough	77	49	69.7	54.1	61.4	+ 1.0	7	1.12	+0.52	25	22
	Strathfield Turgiss	82	50	73.4	53.6	62.8	+ 1.6	6	1.26	+0.72	*	*
	Dungeness	73	57	68.7	58.6	63.3	+ 1.7	6	0.81	?	*	*
	Hastings (St. Leonard's)	76	54	69.9	58.6	63.9	+ 3.0	6	0.71	+0.31	46	41
6. SCOTLAND, W.	Southampton	79	55	71.0	57.4	63.7	+ 2.2	6	1.02	+0.44	26	23
	Hurst Castle	72	57	68.6	58.3	63.1	+ 2.2	7	1.34	+0.83	*	*
	Laudale (Loch Sunart)	71	53	67.9	55.8	61.4	+ 3.7	7	3.29	+2.53	28	24
	Glasgow	69	54	65.7	56.3	60.7	+ 3.1	5	1.74	+1.11	*	*
	Ardrossan	73	53	69.5	55.9	62.2	+ 2.2	6	2.37	+1.77	42	36
	Silloth (Cumberland)	67	49	64.6	53.5	58.7	+ 1.4	4	0.52	+0.01	49	42
	Douglas (Isle of Man)	72	51	68.6	53.7	60.6	+ 2.2	6	2.54	?	34	29
	Newton Reigny (Penrith)	70	55	67.9	57.3	62.2	+ 3.1	7	1.86	?	*	*
7. ENGLAND, N.W.	Barrow-in-Furness	72	52	70.1	54.6	61.8	+ 2.8	7	2.23	+1.28	35	30
	Stonyhurst	72	55	69.2	56.1	62.2	+ 2.5	7	1.60	+0.92	36	31
	Blackpool	73	49	69.9	53.4	61.0	+ 0.5	6	1.69	+0.90	*	*
	Manchester	76	51	70.9	55.7	62.8	+ 2.3	5	0.98	+0.30	*	*
	Liverpool Obs ^o (Bidston)	70	52	67.6	54.4	60.5	- 0.2	5	0.82	+0.22	34	29
	Llandudno	70	54	65.9	55.4	60.3	+ 1.2	5	1.16	+0.68	*	*
	Holyhead	70	54	65.9	55.4	60.3	+ 1.2	5	1.16	+0.68	*	*
	Llandoverly	75	52	70.9	57.7	63.8	+ 2.9	4	0.47	?	*	*
8. ENGLAND, S.W.	Pembroke	63	54	62.7	55.3	58.7	- 1.2	6	0.86	+0.38	58	51
	Arlington (N. Devon)	70	43	67.1	51.3	58.7	- 2.3	5	0.37	?	*	*
	Cullompton	72	45	68.6	51.9	59.7	- 1.8	6	0.68	?	29	26
	Falmouth	68	54	66.1	56.1	60.8	- 0.1	6	1.03	+0.33	63	57
	Plymouth	70	47	68.2	54.8	61.0	- 0.7	6	0.66	+0.08	32	29
	Prawle Point	66	51	64.7	54.9	59.3	- 0.4	6	0.32	?	*	*
9. IRELAND, N.	Londonderry	73	50	70.3	53.3	61.2	+ 2.9	4	0.54	-0.16	*	*
	Mullaghmore	69	54	66.9	55.9	61.0	+ 1.6	6	0.46	?	*	*
	Markree Castle	69	44	67.6	49.5	57.9	- 1.9	6	0.78	+0.07	53	46
	Brookeborough	68	50	66.9	51.7	58.8	- 1.2	3	0.62	?	*	*
	Armagh	67	51	65.5	53.6	59.1	- 0.8	4	0.87	+0.17	52	45
	Donaghadee	65	47	63.0	52.7	57.5	- 0.6	5	1.98	+1.46	*	*
10. IRELAND, S.	Dublin	69	53	67.7	54.6	60.7	+ 1.1	7	0.49	-0.08	41	36
	Parsentown	70	45	68.0	51.1	59.0	- 0.3	3	0.51	-0.14	54	47
	Kilkenny (The Castle)	69	45	67.6	52.7	59.6	- 1.0	6	0.73	+0.13	*	*
	Waterford	66	43	65.0	53.3	58.7	- 1.9	7	1.36	+0.66	*	*
	Roche's Point	66	50	63.6	52.7	57.8	- 0.9	7	3.46	+2.66	52	46
	Valencia	69	47	67.4	50.6	58.4	- 0.8	7	0.96	?	*	*
CHANNEL ISLANDS	Foynes	67	53	66.0	54.6	59.8	- 0.7	6	2.23	+1.81	*	*
	Scilly (St. Mary's)	72	55	68.1	57.6	62.5	+ 1.1	6	0.28	-0.23	27	25
	Jersey (Noirmont)	72	55	68.1	57.6	62.5	+ 1.1	6	0.28	-0.23	27	25

Stations marked *fa* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1868-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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New Series.

WEEK ENDING MONDAY, 21ST JULY, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 116.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
Daily Maxima.	Daily Minima.			Daily Mean.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.			
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	69	35	58.2	46.4	51.9	3 below.	Day deg. 69	Day deg. 904	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	70	40	62.9	49.9	55.9	2 below.	97	1267	0	380
	2. ENGLAND, N.E.	72	40	64.6	52.2	58.0	1 below.	112	1340	0	282
	3. ENGLAND, EAST	74	43	68.8	51.4	59.5	2 below.	123	1598	0	318
	4. MIDLAND COUNTIES*	75	41	67.6	51.5	59.0	2 below.	119	1591	0	322
	5. ENGLAND, SOUTH	75	46	68.1	54.6	60.8	1 below.	132	1658	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	71	43	62.8	50.5	56.2	2 below.	99	1336	0	231
	7. ENGLAND, N.W.	69	39	63.7	52.0	57.4	2 below.	108	1420	0	254
	8. ENGLAND, S.W.	73	46	65.0	54.6	59.4	2 below.	122	1604	0	105
	9. IRELAND, NORTH	69	40	63.3	50.4	56.4	3 below.	101	1418	0	241
	10. IRELAND, SOUTH	74	40	65.0	51.9	58.0	2 below.	112	1635	0	127
	— CHANNEL ISLANDS	69	55	64.3	56.7	60.3	1 below.	128	1762	0	9
DISTRICTS. (See p. 116.)		Rainfall.				Bright Sunshine.					
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10ths of In. 6	10ths of In. 0 (average).	127	Ins. 19.7	31	743	26	26	
	1. SCOTLAND, EAST	6	11	5 more.	108	12.9	37	745	31	27	
	2. ENGLAND, N.E.	3	2	4 less.	94	12.0	40	761	35	26	
	3. ENGLAND, EAST	4	9	2 more.	86	9.7	33	918	30	33	
	4. MIDLAND COUNTIES*	4	5	1 less.	91	13.4	40	772	36	27	
	5. ENGLAND, SOUTH	3	3	3 less.	91	13.4	33	804	30	29	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	6	9	1 less.	125	36.7	46	736	40	25	
	7. ENGLAND, N.W.	5	7	1 less.	104	18.3	47	760	41	26	
	8. ENGLAND, S.W.	6	9	3 more.	110	19.3	34	882	31	31	
	9. IRELAND, NORTH	5	6	1 less.	126	20.4	37	667	33	24	
	10. IRELAND, SOUTH	4	4	2 less.	119	22.3	36	769	32	27	
	— CHANNEL ISLANDS	6	6	1 more.	117	16.9	27	1118	25	44	

General Remarks.

Weather has continued in a cloudy, unsettled, and showery condition in all parts of the Kingdom. Some thunderstorms were experienced in different parts of England between the 17th and 19th.

Temperature has been below the mean in all districts, the deficit ranging from 1° to 3°. The maxima, which were registered on different days in the various districts did not exceed 75° at any station. The minima were generally recorded either on the 20th or 21st; in "Scotland, N." the thermometer fell to 35°, in "England, N.W." to 39°, and in most other districts to between 40° and 46°. In the "Channel Islands" temperature did not fall below 55°.

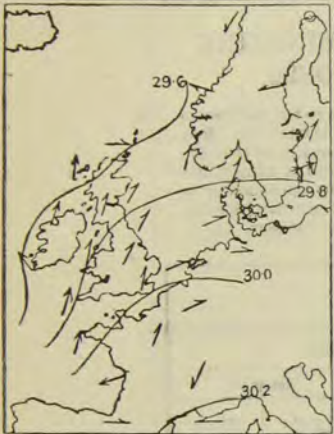
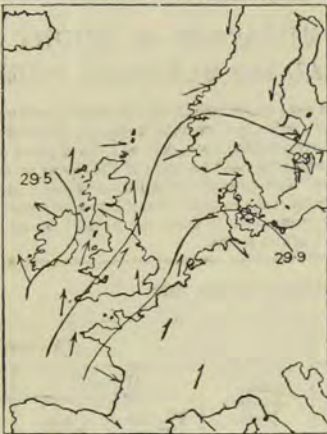
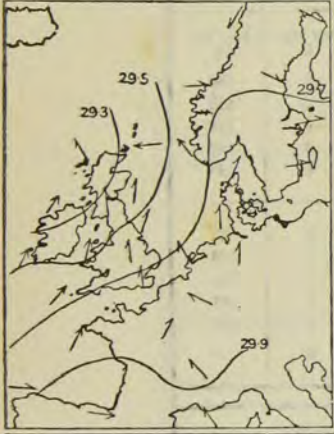
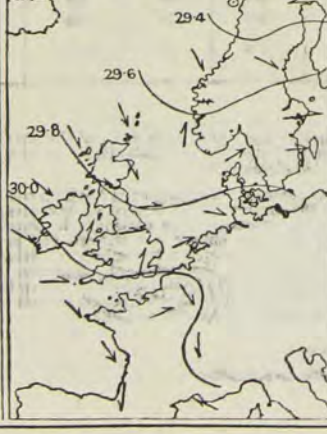
Rainfall has been rather more than the mean in "Scotland, E.", "England, E.", "England, S.W.", and the "Channel Islands", and about equal to it in "Scotland, N.", but less than its normal value elsewhere.

Bright sunshine has varied from 25% of the possible duration in the "Channel Islands" and 26% in "Scotland, N." to 40% in "Scotland, W." and 41% in "England, N.W."

Depressions observed.—The barometer has been comparatively high and uniform over the greater part of France, while depressions, some of which have been rather extensive, have continued to travel in a northerly or north-easterly direction outside our western and north-western coasts. In addition to these, however, a few subsidiary disturbances have passed across our Islands from the westward. Moderate to strong Southerly winds were general over the United Kingdom during the earlier part of the period, moderate Westerly to North-Westerly breezes on the 18th and 19th, and variable winds during the 20th and 21st.

* Returns incomplete; values consequently liable to alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER	
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.	
		Tuesday, July 15. <i>Weather</i> fair in the north and east of our Islands, but cloudy and unsettled elsewhere, with rain in several places. Showers falling later in nearly all parts of the Kingdom, and thunderstorms occurring in the north of Scotland and over the Channel. <i>Temperature</i> changed little and irregularly; readings ranging from 65° at York and Cambridge to 56° at Stornoway and Roche's Point. Maxima over central and eastern England varying between 70° and 72°. <i>Wind</i> South-Easterly at some of our western stations, but South-Westerly elsewhere; strong in force on our west and south coasts. <i>Sea</i> rough in the extreme south-west. <i>Barometer</i> falling at all but our northern and eastern stations. Pressure highest in the south-east of France, and lowest to the westward and northward of our Islands. A depression subsequently skirting the west of Ireland in a northerly direction, and fall of barometer becoming general.		
		Wednesday, July 16. <i>Weather</i> unsettled and showery in nearly all places, with a thunderstorm at Stornoway and also in some parts of France. <i>Temperature</i> risen in the Netherlands and north-east of France, but changed little and irregularly elsewhere; readings ranging from 73° at Yarmouth to 54° in the Shetlands. Highest maxima 74° at Yarmouth, and 71° at Spurn Head, Loughborough, and Cambridge. <i>Wind</i> South-Easterly or Easterly in the extreme north, but South-Westerly elsewhere; strong in force on many parts of our western coasts. Subsequently veering to South-West in the north of Scotland. <i>Sea</i> rough on our west and south-west coasts. <i>Barometer</i> falling generally. Readings highest in south of France, with depression of previous day now lying off the west of Scotland. Disturbance continuing to move northwards, and rise of barometer subsequently taking place in west and south.		
		Thursday, July 17. <i>Weather</i> showery in Scotland and rainy in some parts of Sweden and France, but generally fine elsewhere. Showers falling later in many parts of the Kingdom. <i>Temperature</i> fallen a little in most places; readings ranging from 63° at Yarmouth to 53° in the Shetlands. Highest maxima 75° at Hurst Castle, 73° in London and at Yarmouth, and 72° at Cambridge. <i>Wind</i> Southerly in Sweden and Easterly in the west of Norway, but South-Westerly or Westerly elsewhere; moderate or fresh in force generally. <i>Sea</i> rough on some parts of our west and north-west coasts. <i>Barometer</i> falling in Scandinavia and the extreme north of Scotland, but rising elsewhere. Readings highest over the Bay of Biscay, and the depression of two previous days now lying near the Shetlands. Disturbance subsequently moving north-eastwards, and recovery of pressure extending to north of Scotland.		
		Friday, July 18. <i>Weather</i> showery at some of our northern and south-western stations, but generally fine elsewhere. Showers falling later in most parts of the Kingdom. <i>Temperature</i> fallen a little; readings ranging from 63° at Dungeness to 51° at Stornoway and Nairn. Maxima below 70° in all parts of the Kingdom. <i>Wind</i> chiefly Westerly; moderate or fresh in force in our Islands, but strong on the eastern shores of the North Sea. Subsequently veering to North-West at several of our northern stations. <i>Sea</i> rather rough on the extreme north-western and northern coasts. <i>Barometer</i> rising generally. Pressure highest over the Bay of Biscay, and lowest off the west of Norway, the intervening gradients being moderately steep. Rise continuing all day.		

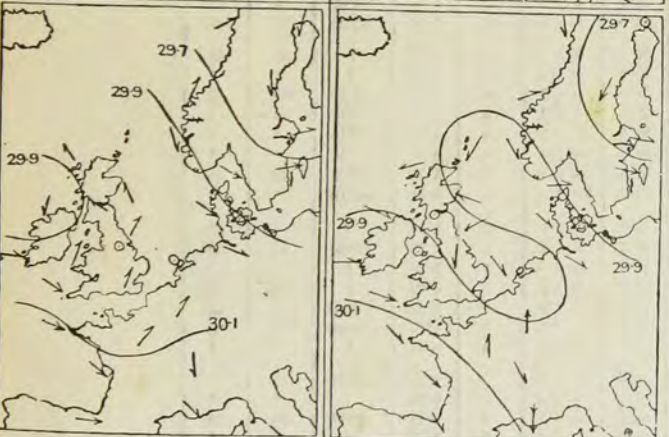
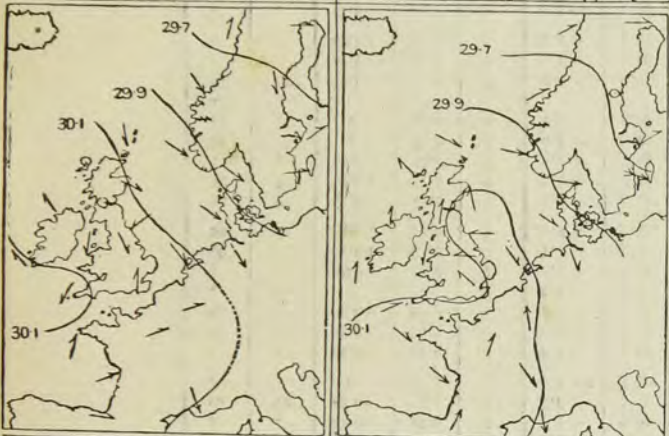
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, July 19.

Weather fair on the whole, but cloudy locally, with rain at Roche's Point and a thunderstorm at Yarmouth. Slight showers falling later at several of our extreme northern and southern stations.

Temperature fallen a little; readings ranging from 60° at Dungeness and in London to 50° in the Shetlands and at Wick. Maxima over central England varying between 65° and 67°.

Wind light or moderate from North-West in most parts of our Islands, but strong Westerly on the eastern shores of the North Sea.

Sea slight or smooth generally.

Barometer rising in most places. Pressure still highest over the Bay of Biscay and lowest in the north of Scandinavia, but gradients less steep than on previous day. Shallow depression forming later over our south-west coasts.

Sunday, July 20.

Weather fair generally in morning, but showers falling later in many parts of the Kingdom.

Temperature risen a little in most places; readings ranging from 62° at Scilly and in London to 47° at Sumburgh Head and Wick. Highest maxima 73° at Loughborough and 71° at Cambridge.

Wind fresh or strong North-Westerly on the eastern shores of the North Sea, but light and chiefly Easterly in our Islands. Subsequently shifting to South-West on our western and southern coasts.

Sea slight or smooth.

Barometer falling a little at our south-western and the French stations, rising elsewhere. Readings highest in south-west of France and lowest in the north of Scandinavia, but shallow area of low pressure lying off our south-west coasts. Fall of barometer extending later to all parts of our Islands.

Monday, July 21.

Weather fine on the eastern shores of the North Sea, but cloudy or overcast in our Islands and France, with rain in many places. Showery weather lasting nearly all day.

Temperature changed little and irregularly; readings ranging from 63° in London and at Cambridge to 48° in the Shetlands. Highest maxima 72° at Hurst Castle and 70° in London.

Wind light Southerly on our east coasts and South-Easterly in the north, but South-Westerly or Westerly elsewhere.

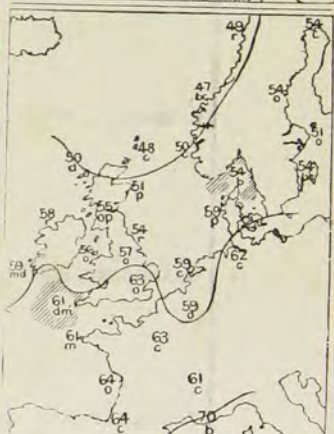
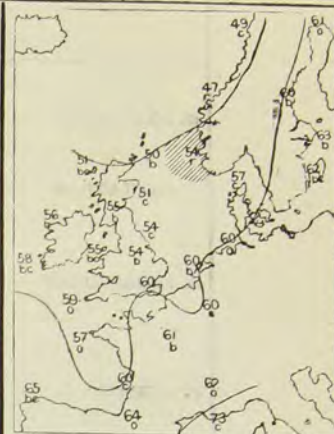
Sea rather rough at Scilly, moderate to smooth on all other parts of our coasts.

Barometer rising at most of the French stations, but falling in other parts of Western Europe. Readings still highest over the Bay of Biscay and lowest in the north of Sweden, but shallow depression lying off our north-west coasts, and subsidiary disturbances over central England. Rise taking place in west later.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\gg$ = a heavy gale; $\gg$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\circ$ = a calm. In the right-hand Chart the weather is indicated as follows: $\rightarrow$ = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 113 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of pos- sible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head - - -	62	40	56.1	46.7	51.1	- 2.6	6	0.68	+0.22	*	*
	Stornoway - - -	63	39	57.3	47.4	52.0	- 2.6	7	0.70	0.00	31	26
	Wick - - -	69	35	61.3	45.1	52.6	- 2.6	3	0.33	-0.17	*	*
1. SCOTLAND, E.	Nairn - - -	68	43	61.4	49.3	54.9	- 2.7	6	0.49	-0.10	*	*
	Aberdeen - - -	68	40	62.6	49.0	55.3	- 1.8	5	1.50	+0.90	37	31
	Leith - - -	70	43	64.6	51.3	57.5	- 1.0	6	1.19	+0.60	*	*
2. ENGLAND, N.E.	Alnwick Castle - - -	69	40	62.4	50.4	56.0	- 1.6	3	0.24	?	*	*
	Shields - - -	70	43	62.9	51.6	56.9	- 1.4	2	0.03	-0.57	*	*
	Scarborough - - -	72	45	65.3	52.7	58.6	- 0.9	5	0.14	-0.48	*	*
	York - - -	72	44	67.4	51.3	58.8	- 2.6	5	0.15	-0.39	40	35
	Spurn Head - - -	71	52	64.9	54.9	59.6	- 0.7	1	0.43	?	*	*
3. ENGLAND, E.	Hillington - - -	72	44	69.9	50.4	59.5	- 1.2	2	0.37	-0.28	36	32
	Yarmouth - - -	74	48	68.0	54.4	60.7	- 0.7	4	1.69	+1.06	*	*
	Geldeston - - -	74	43	69.4	49.9	59.0	- 2.2	4	1.22	+0.60	30	27
	Cambridge - - -	72	45	69.4	51.2	59.7	- 2.9	4	0.42	-0.21	34	31
	Rothamsted - - -	70	45	67.3	50.9	58.5	- 3.8	6	0.54	-0.11	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall) -	73	41	69.3	50.3	59.1	- 2.2	5	0.32	-0.33	*	*
	Loughborough - - -	73	47	68.7	53.1	60.4	- 1.7	4	0.48	-0.06	*	*
	Leicester - - -	75	47	71.0	53.1	61.4	- 0.6	5	0.42	-0.21	39	35
	Birmingham (Oscott) -										*	*
	Cheadle - - -	66	44	63.5	49.9	56.2	- 4.1	5	0.63	?	*	*
	Churchstoke - - -	67	42	65.7	49.3	56.9	- 3.0	3	0.35	?	48	42
	Hereford - - -	72	47	69.5	51.9	60.1	- 1.6	4	0.31	-0.22	*	*
	Cirencester - - -	68	44	65.4	51.0	57.7	- 3.5	4	1.12	+0.43	34	31
5. ENGLAND, S.	Oxford - - -	70	47	67.7	53.3	60.0	- 1.3	2	0.30	-0.30	39	35
	London† - - -	73	48	70.0	53.7	61.3	- 2.0	6	0.24	-0.29	27	25
	Marlborough - - -	70	46	67.5	52.2	58.5	- 2.1	2	0.73	+0.10	33	30
	Strathfield Turgiss -	71	48	69.1	53.0	60.5	- 0.8	2	0.27	-0.27	*	*
	Dungeness - - -	69	50	67.6	55.6	61.2	- 0.4	0	—	?	*	*
	Hastings (St. Leonard's) -	67	52	65.7	56.1	60.6	- 0.7	2	0.04	-0.39	38	35
	Southampton - - -	72	50	68.7	55.3	61.5	- 0.1	3	0.34	-0.26	32	29
	Hurst Castle - - -	75	52	68.1	56.6	62.0	+ 0.9	4	0.40	-0.12	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart) -	71	45	63.4	49.1	55.8	- 1.0	6	1.42	?	*	*
	Glasgow - - -	67	43	61.2	49.7	55.1	- 2.9	7	0.71	-0.08	34	29
	Ardrossan - - -	63	43	61.4	51.3	56.0	- 1.6	5	0.47	-0.18	*	*
	Silloth (Cumberland) -	70	43	65.5	51.7	58.1	- 2.0	5	0.70	+0.07	53	46
	Douglas (Isle of Man) -	66	44	62.7	50.5	56.2	- 1.2	5	1.00	+0.44	51	45
7. ENGLAND, N.W.	Newton Reigny (Penrith) -	68	39	63.2	48.6	55.4	- 3.1	5	0.92	?	47	41
	Barrow-in-Furness - - -	67	49	63.0	53.7	58.0	- 1.5	3	0.83	?	*	*
	Stonyhurst - - -	69	45	63.5	51.9	57.3	- 2.0	6	0.62	-0.39	52	46
	Blackpool - - -	69	46	63.1	53.1	57.8	- 2.2	4	0.52	-0.18	49	43
	Manchester - - -	67	43	64.5	49.6	56.5	- 4.1	6	0.68	-0.14	*	*
	Liverpool Obs (Bidston) -	69	50	64.3	53.6	58.6	- 2.0	4	0.31	-0.39	*	*
	Llandudno - - -	69	43	63.2	51.5	56.9	- 3.8	5	1.01	+0.39	38	34
	Holyhead - - -	67	52	64.6	54.1	59.0	- 0.4	5	0.36	-0.12	*	*
8. ENGLAND, S.W.	Llandovery - - -	73	50	68.4	54.1	60.8	- 0.1	7	1.10	?	*	*
	Pembroke - - -	64	54	61.7	55.4	58.3	- 1.7	5	0.72	+0.23	44	40
	Arlington (N. Devon) -	68	46	63.6	52.0	57.4	- 3.9	7	0.96	?	*	*
	Cullompton - - -	71	48	66.1	53.1	59.2	- 2.5	5	0.93	?	29	26
	Falmouth - - -	69	54	64.7	55.8	59.9	- 1.3	7	0.89	+0.19	38	35
	Plymouth - - -	71	54	67.2	56.9	61.7	0.0	5	1.13	+0.53	25	23
9. IRELAND, N.	Prawle Point - - -	66	52	63.6	54.7	58.8	- 1.1	4	0.84	?	*	*
	Londonderry - - -	68	45	64.3	49.6	56.4	- 2.1	5	0.66	-0.06	*	*
	Mullaghmore - - -	64	50	61.4	53.3	57.1	- 2.6	6	0.83	?	*	*
	Markree Castle - - -	66	40	62.9	49.6	55.8	- 4.1	6	0.63	-0.12	33	29
	Brookeborough - - -	66	42	63.6	49.2	55.9	- 4.3	3	0.63	?	*	*
	Armagh - - -	68	46	64.0	50.4	56.7	- 3.0	5	0.37	-0.33	41	36
10. IRELAND, S.	Donaghadee - - -	69	45	63.6	50.1	56.4	- 1.6	5	0.50	-0.10	*	*
	Dublin - - -	70	47	65.6	53.1	58.9	- 1.1	6	0.22	-0.38	44	39
	Parsonstown - - -	68	40	65.3	49.9	57.1	- 2.2	4	0.31	-0.39	40	35
	Kilkenny (The Castle) -	69	43	66.1	51.0	58.0	- 2.1	3	0.21	?	*	*
	Waterford - - -	74	44	68.1	50.9	58.9	- 1.7	2	0.21	-0.39	*	*
	Roche's Point - - -	69	50	64.6	52.7	58.2	- 2.6	4	0.14	-0.56	*	*
	Valencia - - -	65	52	63.3	54.7	58.7	- 0.3	7	1.44	+0.64	25	23
	Foynes - - -	66	46	62.1	50.9	56.1	- 3.2	5	0.52	?	*	*
CHANNEL ISLANDS	Seilly (St. Mary's) - - -	66	55	63.3	56.4	59.6	- 1.1	7	0.34	-0.09	*	*
	Jersey (Noirmont) - - -	69	55	65.4	56.9	60.9	- 0.8	5	0.78	+0.25	27	25

Stations marked *fn* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY J. D. POTTER, 31, POULTRY, AND 11, KING STREET, TOWER HILL, AND E. STANFORD, 55, CHARING CROSS.

VOL. I. No. 30.]
New Series.

WEEK ENDING MONDAY, 28TH JULY, 1884.

[Price 4d.
[Annual subscription,
post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1869-83). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 120.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	62	36	56.4	44.7	50.1	4 below.	Day deg. 57	Day deg. 961	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	69	39	61.8	46.2	53.5	4 below.	81	1348	0	380
	2. ENGLAND, N.E.	70	39	61.9	49.8	55.4	4 below.	94	1434	0	282
	3. ENGLAND, EAST	72	41	68.5	50.1	57.9	4 below.	111	1709	0	318
	4. MIDLAND COUNTIES	76	41	64.6	49.9	56.8	5 below.	104	1605	0	322
	5. ENGLAND, SOUTH	74	39	66.4	51.9	58.7	3 below.	117	1775	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	67	43	61.8	49.3	54.7	3 below.	89	1425	0	231
	7. ENGLAND, N.W.	67	40	60.9	51.0	55.6	4 below.	95	1515	0	254
	8. ENGLAND, S.W.	72	42	62.7	53.1	57.5	3 below.	109	1713	0	105
	9. IRELAND, NORTH	68	45	61.6	50.4	55.6	4 below.	95	1513	0	241
	10. IRELAND, SOUTH	70	45	64.3	51.9	57.6	2 below.	109	1742	0	127
	— CHANNEL ISLANDS	65	51	62.5	55.3	58.6	3 below.	116	1878	0	9

DISTRICTS. (See p. 120.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of In. 7	10ths of In. 1 more.	131	In. 20.4	41	784	35	26
	1. SCOTLAND, EAST	4	4	2 less.	112	13.3	42	796	37	28
	2. ENGLAND, N.E.	6	7	1 more.	100	12.7	19	780	17	26
	3. ENGLAND, EAST	6	7	1 more.	92	10.4	32	950	29	32
	4. MIDLAND COUNTIES	6	10	4 more.	97	14.4	19	791	17	27
	5. ENGLAND, SOUTH	6	8	3 more.	97	14.2	27	831	25	29
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	5	10	3 more.	130	46.7	28	764	25	25
	7. ENGLAND, N.W.	6	14	7 more.	110	19.7	20	780	18	26
	8. ENGLAND, S.W.	6	12	6 more.	116	20.5	35	917	32	31
	9. IRELAND, NORTH	7	18	11 more.	133	22.2	26	693	23	24
	10. IRELAND, SOUTH	6	11	4 more.	125	23.4	31	800	23	27
	— CHANNEL ISLANDS	5	8	3 more.	122	17.7	36	1154	34	44

General Remarks.

Weather has continued cloudy, showery, and unsettled in all parts of the country. Thunderstorms were very general over southern and central England on the 24th and 25th, and further storms occurred, locally, on the 27th.

Temperature has again been below the mean in all districts, the deficit ranging from 2° in "Ireland, S." to as much as 5° in the "Midland Counties". The maxima were recorded in most places on the 22nd, and varied from 62° in "Scotland, W." and 65° in the "Channel Islands", to 74° in "England, S." and 76° in the "Midland Counties". The minima, which were registered on the 26th at most of the English and Irish stations, and on the 27th in Scotland, were as low as 36° in "Scotland, N.", 39° in "Scotland, E.", "England, N.E.", and "England, S.", and between 41° and 51° elsewhere. In London, the thermometer exposed on the grass during the early morning of the 26th descended to 32°.

Rainfall has been a little less than the mean in "Scotland, E.", but more in all other districts—especially in "Ireland, N.", "England, S.W.", and "England, N.W."

Bright sunshine has been less prevalent than it was last week in most places, the percentages of possible duration varying from 37 in "Scotland, E." to 18 in "England, N.W." and 17 in "England, N.E." and the "Midland Counties".

Depressions observed.—During the whole of this period barometric pressure over our Islands has been influenced by depressions (generally travelling east-north-eastwards) over the northern parts of the country, and small subsidiary disturbances over the more southern districts, while over France and the Bay of Biscay the mercury has been relatively high and steady. Winds varying between South-West and North-West in direction and moderate to fresh in force have consequently been most general over the United Kingdom, but in Scotland, towards the close of the week, a light breeze from the Eastward was experienced.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER	
8 a.m.	6 p.m.	During the 24 hours succeeding [8 a.m. on] the dates given.	at 8 a.m.	
		Tuesday, July 22. <i>Weather</i> fine in Scandinavia and Denmark, but cloudy in our Islands and France, with mist or fog locally. Rain falling later at all but our extreme southern and south-eastern stations. <i>Temperature</i> changed little and irregularly; readings ranging from 64° at Hurst Castle to 49° in the Shetlands. Highest maxima 73° in London and 71° at Loughborough, Oxford, and Cambridge. <i>Wind</i> light Easterly in Scotland, and variable on the eastern shores of the North Sea, but moderate from West or South-West elsewhere. <i>Sea</i> rather rough at Scilly, but slight or smooth on other parts of our coasts. <i>Barometer</i> falling a little on our extreme western and northern coasts, but rising elsewhere. Pressure highest over the Bay of Biscay and lowest in the north of Sweden, but area of relatively low readings lying off our north-west coasts. Slight fall of barometer subsequently taking place generally.		
		Wednesday, July 23. <i>Weather</i> fine in Scandinavia and the south of France, but cloudy or overcast elsewhere, with rain in many parts of England. Showers falling later in all parts of the Kingdom, and lightning seen in the south of England at night. <i>Temperature</i> fallen a little over England and Ireland, but risen at our northern and the Continental stations; readings ranging from 66° at Yarmouth to 52° in the Shetlands. Highest maxima 72° at Cambridge, and 70° in London and at Yarmouth. <i>Wind</i> moderate Easterly in the north of Scotland and south of France, but South-Westerly elsewhere. Subsequently veering to West over Ireland, England, and the north of France. <i>Sea</i> rough off our south-west coasts and also round the Shetlands. <i>Barometer</i> falling at all but the Swedish stations. Pressure highest in the south-east of France, with large area of low readings over our northern coasts. Low pressure area afterwards moving slowly eastwards.		
		Thursday, July 24. <i>Weather</i> changeable and showery in nearly all places. Thunderstorms, with hail, occurring later in many parts of Great Britain. <i>Temperature</i> fallen generally; readings ranging from 61° in the south-east of England to 51° at Stornoway and Mullaghmore. Highest maxima 69° at Cambridge and 68° in London and at Yarmouth. <i>Wind</i> North-Easterly in the north of Scotland and North-Westerly in the east of Scotland and north of Ireland, but Westerly at our more southern stations and Southerly or South-Easterly in Scandinavia. Fresh in force in most places, and strong on some parts of the Channel coasts. <i>Sea</i> rough in the west and south-west. <i>Barometer</i> falling on all but our extreme western coasts. Pressure still highest in the south-east of France, with large but somewhat shallow depression over the south of Norway. Recovery of pressure taking place later on all our western and northern coasts.		
		Friday, July 25. <i>Weather</i> fair at first, but showers falling later in most parts of the Kingdom and thunderstorms occurring at some of the English stations. <i>Temperature</i> fallen a little in most places; readings ranging from 60° at Valencia to 49° at Sumburgh Head and Wick. Highest maxima 67° at Prawle Point, Hurst Castle, and Cambridge, and 66° in London. Thermometer on grass falling to 32° in London at night. <i>Wind</i> moderate Southerly in Sweden and Denmark, but fresh from North or North-West elsewhere. Subsequently backing to West on our extreme western coasts. <i>Sea</i> rough at our more exposed western stations. <i>Barometer</i> falling in the north of Scandinavia, rising elsewhere. Pressure highest off our south-west coasts, and depression of previous day now lying over the west of Norway. Slight fall taking place on our extreme western coasts in evening.		

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

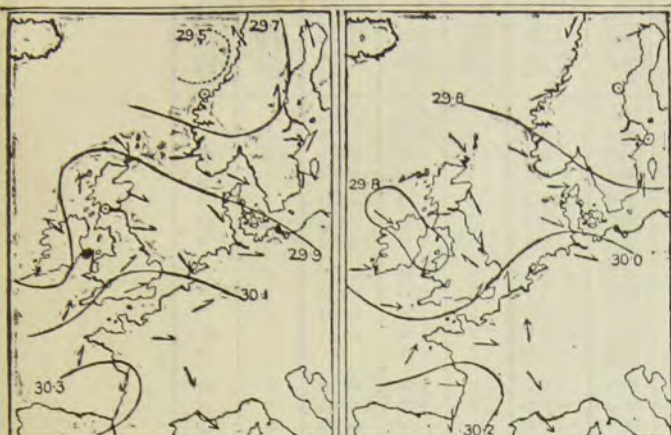
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, July 26.

Weather dull and rainy in the west and south-west, but fine elsewhere. Rain subsequently extending to all but our northern stations.

Temperature fallen slightly; readings ranging from 59° at Valencia to 48° in the Shetlands. Maxima below 65° in all parts of our Islands.

Wind South-Easterly in the north of Ireland and South-Westerly on our south-west coasts, but Westerly in nearly all other localities; subsequently backing to South on our east coasts, but veering to West in the south-west.

Sea rough in the south-west.

Barometer falling briskly in the west, but still rising elsewhere. Pressure highest over the Bay of Biscay, with depression of two previous days lying off the north-west of Norway, and new disturbance over the west of Ireland. Later subsequently moving eastwards, and barometer falling in north and east.

Sunday, July 27.

Weather fine on the eastern shores of the North Sea as well as in Scotland and the south of France, but unsettled and showery elsewhere. Thunderstorms occurring later in some parts of England.

Temperature risen in England and France; readings ranging from 60° at Hurst Castle, Valencia, and Cambridge, to 50° in the Shetlands. Highest maxima 67° at Parsonstown, London, and Cambridge, and 66° at Oxford.

Wind light North-Easterly in north and north-west, fresh North-Westerly in south-west and south, and light South-Westerly in Denmark. Subsequently veering to the Northward in all parts of England.

Sea rather rough in the south-west and south.

Barometer falling over England, France, and the Netherlands, rising elsewhere. Depression noticed in west on previous day now lying over eastern England. Rise of barometer becoming general later.

Monday, July 28.

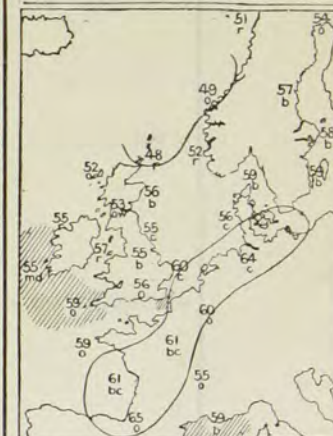
Weather dull and rainy at several of our western stations, but fine in the north and east. Unsettled, showery weather subsequently becoming general.

Temperature changed little and irregularly; readings ranging from 60° at Cambridge to 48° in the Shetlands. Highest maxima 70° in London, 69° at Roche's Point, and 68° at Loughborough.

Wind light variable in north, but moderate South-Westerly in west and Northerly in east and south.

Sea rather rough on our extreme south-west coasts.

Barometer rising at all but the western and northern stations. Pressure highest over Bay of Biscay and lowest in north of Scandinavia, but new depression advancing towards west of Ireland. Depression subsequently moving north-eastwards and barometer falling in north and east.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: — = blue sky; — = detached clouds; — = overcast; — = misty (hazy); — = foggy; — = squally; — = rain; — = hail; — = snow; — = lightning; and — = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 117 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Inches.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	57	40	53.6	43.7	48.3	- 5.4	3	0.32	- 0.20	•	•
	Stornoway	59	42	57.6	45.7	51.2	- 3.2	5	0.90	+ 0.20	41	35
	Wick	62	36	57.9	44.7	50.8	- 4.4	5	0.80	+ 0.29	•	•
1. SCOTLAND, E.	Nairn	63	39	59.7	45.9	52.3	- 5.3	4	0.83	+ 0.23	•	•
	Aberdeen	63	39	60.6	43.7	51.6	- 5.6	4	0.17	- 0.45	42	37
	Leith	69	44	65.1	49.1	56.5	- 2.0	3	0.12	- 0.48	•	•
2. ENGLAND, N.E.	Alnwick Castle	66	39	61.4	47.6	54.0	- 3.6	6	0.66	?	•	•
	Shields	64	44	60.1	48.6	54.0	- 4.2	6	0.80	+ 0.20	•	•
	Scarborough	70	45	62.5	50.7	56.1	- 3.5	5	1.00	+ 0.37	•	•
	York	68	44	63.6	48.9	55.6	- 4.8	7	0.65	+ 0.10	19	17
3. ENGLAND, E.	Spurn Head	68	50	61.9	53.0	57.1	- 3.0	6	6.39	?	•	•
	Hillington	71	41	66.9	50.1	57.9	- 2.7	5	1.13	+ 0.48	30	27
	Yarmouth	70	47	65.6	51.7	58.2	- 3.2	7	0.62	+ 0.02	•	•
	Geldeston	70	45	67.2	51.5	58.8	- 2.5	4	0.32	- 0.28	38	35
4. MIDLAND COUNTIES	Cambridge	72	42	68.4	49.4	58.2	- 4.6	6	0.56	+ 0.04	27	25
	Rothamsted	69	41	66.1	47.7	56.3	- 6.0	6	0.98	+ 0.35	•	•
	Bawtry (Hesley Hall)	71	42	65.9	47.6	56.1	- 5.3	5	0.64	- 0.01	•	•
	Loughborough	71	45	65.0	51.4	57.7	- 4.3	7	0.78	+ 0.24	•	•
5. ENGLAND, S.	Leicester	73	42	66.5	50.2	57.8	- 4.1	6	1.09	+ 0.47	19	17
	Birmingham (Oscott)	67	42	61.1	48.3	54.3	- 6.1	6	1.17	?	•	•
	Cheadle	71	41	62.2	49.3	55.3	- 4.9	7	1.39	?	19	17
	Churchstoke	76	45	66.8	51.0	58.4	- 3.0	7	0.98	+ 0.44	•	•
6. SCOTLAND, W.	Hereford	69	41	63.0	49.7	55.9	- 5.4	6	1.06	+ 0.36	18	17
	Cirencester	71	44	65.9	52.0	58.5	- 2.9	6	0.83	+ 0.23	19	17
	Oxford	73	42	68.1	51.3	59.1	- 4.2	5	0.81	+ 0.28	21	19
	London†	71	40	65.9	49.9	57.3	- 3.2	6	0.81	+ 0.16	24	22
7. ENGLAND, N.W.	Marlborough	74	39	67.6	50.1	58.2	- 3.1	6	0.89	+ 0.36	•	•
	Strathfield Turgiss	68	44	65.4	52.6	58.6	- 3.1	6	0.82	?	•	•
	Dungeness	68	47	64.6	53.1	58.5	- 3.2	6	1.15	+ 0.70	33	31
	Hastings (St. Leonard's)	70	44	67.4	52.6	59.5	- 2.1	6	0.44	- 0.17	30	28
8. ENGLAND, S.W.	Southampton	67	45	65.9	53.6	59.6	- 1.7	6	0.84	+ 0.30	•	•
	Hurst Castle	64	44	61.2	47.4	53.8	- 2.8	4	0.68	?	•	•
	Laudale (Loch Sunart)	64	45	60.9	48.6	54.3	- 3.5	4	0.79	- 0.01	26	23
	Glasgow	63	48	60.6	50.4	55.1	- 2.6	6	0.61	- 0.09	•	•
9. IRELAND, N.	Ardrossan	67	43	62.9	49.7	55.8	- 4.4	6	1.63	+ 0.95	25	22
	Silloth (Cumberland)	63	46	59.7	50.3	54.7	- 3.0	6	1.47	+ 0.84	34	31
	Douglas (Isle of Man)	66	40	60.4	47.1	53.3	- 5.2	5	0.66	?	20	18
	Newton Reigny (Penrith)	62	51	59.7	52.1	55.6	- 4.0	6	1.56	?	•	•
10. IRELAND, S.	Barrow-in-Furness	65	45	60.5	50.3	55.0	- 4.2	6	1.63	+ 0.65	19	17
	Stonyhurst	64	45	60.9	50.9	55.6	- 4.6	7	1.46	+ 0.81	20	18
	Blackpool	67	43	61.1	48.9	54.6	- 5.9	6	1.01	+ 0.21	•	•
	Manchester	65	49	61.6	52.6	56.8	- 3.8	6	1.62	+ 0.95	•	•
CHANNEL ISLANDS	Liverpool Obs ^r (Bidston)	64	44	61.1	52.2	56.4	- 4.3	6	1.34	+ 0.73	20	18
	Llandudno	64	51	61.9	53.6	57.5	- 1.9	7	1.64	+ 1.13	•	•
	Holyhead	72	46	65.1	52.6	58.4	- 2.6	7	1.51	?	•	•
	Llandovery	62	52	60.0	54.7	57.2	- 2.8	7	0.71	+ 0.18	38	35
1. IRELAND, S.	Pembroke	63	44	60.4	51.3	55.5	- 5.5	6	2.31	?	•	•
	Arlington (N. Devon)	70	42	64.5	51.9	57.5	- 4.0	5	1.05	?	32	30
	Cullompton	65	51	62.0	54.5	58.0	- 3.6	6	1.10	+ 0.34	36	34
	Falmouth	67	45	64.6	53.7	58.8	- 2.9	6	1.34	+ 0.72	33	31
2. IRELAND, N.	Plymouth	67	48	62.3	52.7	57.2	- 2.6	6	0.53	?	•	•
	Prawle Point	68	48	63.4	49.7	56.0	- 2.5	7	0.79	+ 0.05	•	•
	Londonderry	63	46	61.0	52.0	56.2	- 3.4	7	2.45	?	•	•
	Mullaghmore	64	48	62.1	50.3	55.8	- 4.0	6	2.36	+ 1.60	27	24
3. IRELAND, S.	Markree Castle	64	45	61.2	49.6	55.0	- 4.9	6	2.10	?	•	•
	Brookeborough	64	46	61.0	50.7	55.5	- 4.4	7	1.75	+ 1.06	24	22
	Armagh	66	45	61.1	49.9	55.1	- 3.1	6	1.12	+ 0.52	•	•
	Donaghadee	66	48	64.1	53.0	58.2	- 1.8	7	1.32	+ 0.72	26	24
4. IRELAND, S.	Dublin	67	45	63.6	50.9	56.8	- 2.7	7	1.39	+ 0.69	30	27
	Parsonstown	68	46	65.3	51.7	58.0	- 2.1	7	1.67	?	•	•
	Kilkenny (The Castle)	70	47	68.1	51.0	58.9	- 1.8	6	0.66	+ 0.04	•	•
	Waterford	69	50	65.0	52.4	58.3	- 2.4	5	0.61	- 0.09	•	•
5. IRELAND, S.	Roche's Point	64	52	63.4	53.7	58.2	- 0.9	7	1.33	+ 0.48	37	34
	Valencia	65	48	60.9	50.9	55.6	- 3.5	6	0.85	?	•	•
	Foynes	64	53	61.6	55.1	58.1	- 2.7	4	0.94	+ 0.49	•	•
	Seilly (St. Mary's)	65	51	63.4	55.4	59.1	- 2.7	6	0.59	+ 0.05	36	34
6. IRELAND, S.	Jersey (Noirmont)	65	51	63.4	55.4	59.1	- 2.7	6	0.59	+ 0.05	36	34
	Seilly (St. Mary's)	65	51	63.4	55.4	59.1	- 2.7	6	0.59	+ 0.05	36	34
	Jersey (Noirmont)	65	51	63.4	55.4	59.1	- 2.7	6	0.59	+ 0.05	36	34
	Seilly (St. Mary's)	65	51	63.4	55.4	59.1	- 2.7	6	0.59	+ 0.05	36	34

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.
‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

ERRATA.—The "Bright Sunshine" values reported last week from Aberdeen were incorrect; they should have read "46" hours and "39" per cent.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 31.]
New Series.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 124.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	68	40	61.1	49.2	54.8	0 (average.)	Day deg. 90	Day deg. 1051	Day deg. 0	Day deg. 306
	1. SCOTLAND, EAST	73	47	65.4	52.3	58.5	1 above.	116	1464	0	380
	2. ENGLAND, N.E.	78	49	66.4	54.4	60.1	1 above.	127	1561	0	282
	3. ENGLAND, EAST	84	45	71.8	54.6	62.8	2 above.	146	1855	0	318
	4. MIDLAND COUNTIES*	83	43	71.6	54.1	62.3	1 above.	142	1747	0	322
	5. ENGLAND, SOUTH *	83	49	71.9	55.8	63.4	2 above.	150	1925	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	78	51	64.9	54.0	59.1	1 above.	120	1545	0	231
	7. ENGLAND, N.W.	79	45	66.4	55.2	60.5	1 above.	130	1645	0	254
	8. ENGLAND, S.W.	80	44	69.1	55.4	61.9	1 above.	139	1852	0	105
	9. IRELAND, NORTH	76	48	65.2	53.3	59.0	0 (average)	119	1632	0	241
	10. IRELAND, SOUTH *	75	45	65.8	55.0	60.1	0 (average).	127	1869	0	127
	— CHANNEL ISLANDS	81	53	67.8	57.6	62.4	1 above.	143	2021	0	9

DISTRICTS. (See p. 124.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of In. 4	10ths of In. 2 less.	135	Ins. 20.8	18	802	16	26
	1. SCOTLAND, EAST	1	less than ½	6 less.	113	13.3	30	826	27	28
	2. ENGLAND, N.E.	0	less than ½	6 less.	100	12.7	20	800	18	26
	3. ENGLAND, EAST	0	less than ½	6 less.	92	10.4	39	989	36	33
	4. MIDLAND COUNTIES*	1	less than ½	6 less.	98	14.4	35	826	32	27
	5. ENGLAND, SOUTH *	1	less than ½	6 less.	97	14.2	45	876	42	30
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	3	3	7 less.	133	47.0	14	778	13	25
	7. ENGLAND, N.W.	2	1	6 less.	112	19.8	17	797	16	25
	8. ENGLAND, S.W.	1	less than ½	7 less.	117	20.5	48	965	44	31
	9. IRELAND, NORTH	4	1	6 less.	137	22.3	18	711	17	23
	10. IRELAND, SOUTH *	2	1	7 less.	127	23.5	17	817	16	27
	— CHANNEL ISLANDS	1	less than ½	5 less.	123	17.7	58	1212	56	44

General Remarks.

Weather has been generally fine and bright over south-western, southern, and eastern England, but cloudy or dull elsewhere. Very little rain, however, has fallen in any part of our Islands.

Temperature has been about equal to the mean over Ireland and in "Scotland, N.," but 1° or 2° above it in all other districts. The maxima, which were recorded on August 1st or 2nd, varied from 68° in "Scotland, N.," to 81° in the "Channel Islands," 83° in the "Midland Counties" and "England, S.," and 84° in "England, E." The minima were registered in most places on the 4th, and ranged from 40° in "Scotland, N." to 51° in "Scotland, W.," and 53° in the "Channel Islands."

Rainfall has been considerably less than the mean in almost all districts.

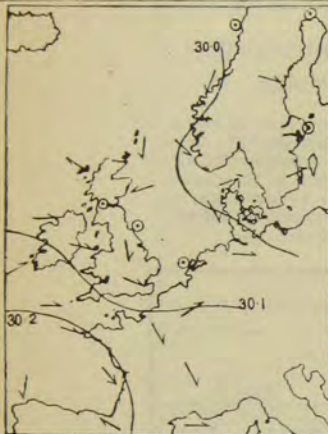
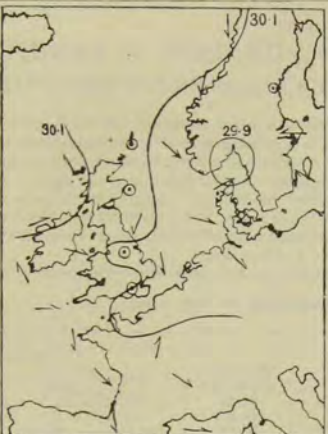
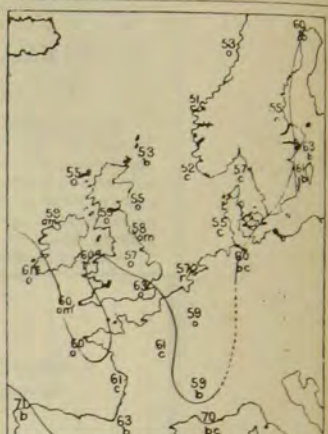
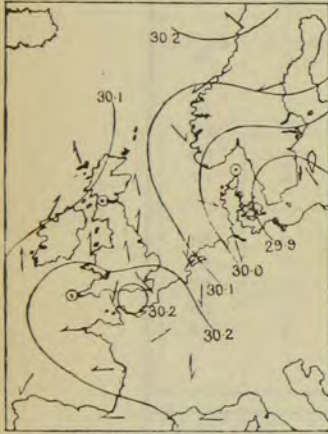
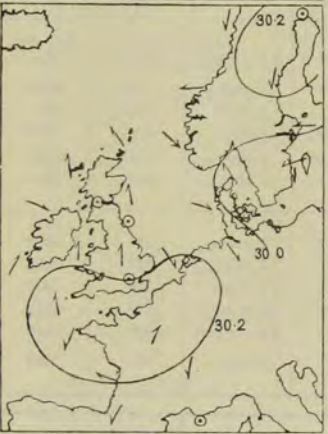
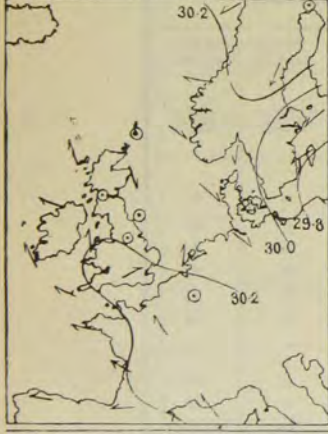
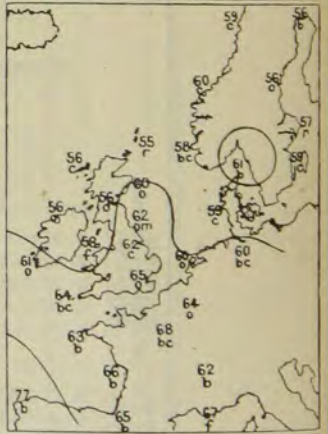
Bright sunshine has varied from between 13% and 20% of the possible duration in most of the western and northern districts, to 36% in

"England, E.," 42% in "England, S.," 44% in "England, S.W.," and 56% in the "Channel Islands".

Depressions observed.—Very few depressions (and those small and shallow) passed over our Islands during this period, but a rather extensive disturbance was observed to be travelling northwards outside our extreme western coasts on the 1st and 2nd, causing the wind, which had previously been light and variable, to blow freshly or strongly from between South-East and South-West at all our western stations, and with moderate force from the same quarters in other parts of the country. As this depression passed away from our coasts the wind became light or moderate from the westward over the whole Kingdom.

* Returns incomplete; values consequently liable to alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.		
		Tuesday, July 29. <i>Weather</i> fine in Sweden, the north of Scotland, and south of France, but cloudy elsewhere, with rain at many of the English and Irish stations. Lightning seen at Mullaghmore at night. <i>Temperature</i> risen a little; readings ranging from 63° at Roche's Point, Hurst Castle, London, and Oxford to 53° in the Shetlands. Highest maxima 73° at Prawle Point and 71° at Hurst Castle; thermometer in London not exceeding 68°. <i>Wind</i> light Easterly in Scotland, but Westerly in most parts of England and Ireland, and North-Westerly in France. Subsequently backing to South in Ireland. <i>Sea</i> moderate to smooth. <i>Barometer</i> falling a little over England, the eastern shores of the North Sea, and the west of France, but rising elsewhere. Anticyclone lying over the Bay of Biscay, with a shallow depression near the Skager Rack and a still shallower disturbance off our north-west coasts. No important change during day.	
		Wednesday, July 30. <i>Weather</i> rainy in the south of Sweden, and showery in the western and northern parts of our Islands, but fair or fine elsewhere. <i>Temperature</i> risen a little in most places; readings ranging from 65° at Hurst Castle to 53° in the Shetlands. Thermometer subsequently rising to 75° in London, 74° at Loughborough, 73° at Oxford, and 72° at Cambridge. <i>Wind</i> moderate Easterly in the west of France, but Southerly in Ireland and Scotland, and North-Westerly on the eastern shores of the North Sea, with light variable airs over England. <i>Sea</i> rough at Valencia, slight elsewhere. <i>Barometer</i> rising in most places. Anticyclone now lying over France and our southern coasts, with large areas of low pressure over the Baltic, and relatively low readings to the westward of our Islands. Slight fall taking place on our northern coasts later.	
		Thursday, July 31. <i>Weather</i> fine at our southern and most of the Continental stations, but dull elsewhere, with mist or fog locally. Fair weather subsequently becoming general, and heavy dew occurring over England at night. <i>Temperature</i> risen a little in most parts of England, but changed slightly and irregularly elsewhere; readings ranging from 69° at Prawle Point to 55° at Sumburgh Head and Wick. Highest maxima 78° in London, 77° at Cambridge, and 75° at Oxford. <i>Wind</i> moderate South-Easterly in the Bay of Biscay and also on our south-west coasts, but North-Westerly over the North Sea. Light Variable breeze reported in the south-east of England. <i>Sea</i> slight or smooth generally. <i>Barometer</i> falling a little on our south-west coasts and also over the Baltic, but rising elsewhere. Areas of high pressure lying over France and the north of Sweden, with a depression over the Baltic. No important change later.	
		Friday, August 1. <i>Weather</i> cloudy in Scotland and the north of Ireland, but fine elsewhere. Subsequently becoming dull in south-west, with a little rain in some places. <i>Temperature</i> risen a little in west, but fallen in north-east; readings ranging from 69° at Jersey to 55° at Wick. Thermometer subsequently rising to 83° in London and 82° at Loughborough and Cambridge. <i>Wind</i> North-Easterly or Northerly in Sweden and Denmark, but South Easterly or Easterly in our Islands and France; fresh to strong in force in the west of Ireland. <i>Sea</i> rough at Valencia; slight or smooth elsewhere. <i>Barometer</i> falling generally. Long band of high pressure lying over the North Sea, the Netherlands, and east of France, with depression over the Baltic and another off the south-west of Ireland. Latter disturbance subsequently moving northwards, but motion very gradual.	

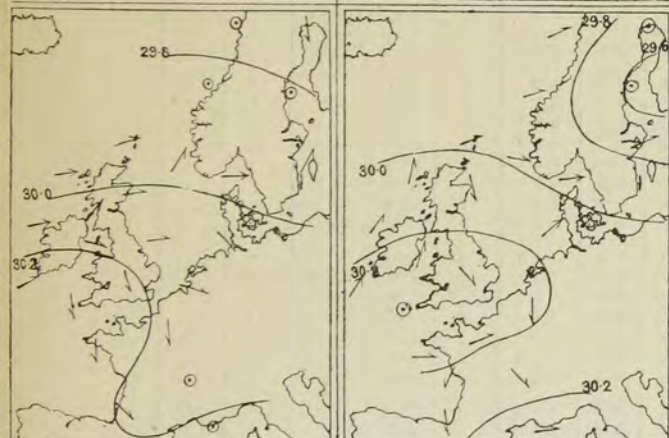
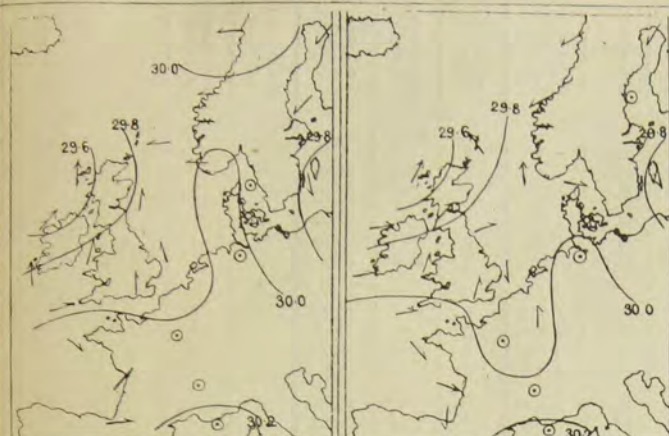
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, August 2.

Weather dull at several of our western and north-western stations, but generally fine elsewhere. A little rain falling on our north-west coasts later.

Temperature risen in most parts of Great Britain but fallen in Ireland; readings ranging from 72° in London to 54° in the Shetlands. Highest maxima 82° in London and 80° at Cambridge.

Wind South-Westerly in west and south, but Southerly or South-Easterly in north and east, fresh to strong in force at some of our western and north-western stations; subsequently veering to South-West in north.

Sea rough in the extreme west, moderate to smooth elsewhere.

Barometer still falling at all but our south-western stations, where a recovery commencing. Readings highest south of France, but ridge of relatively high pressure still lying over the eastern shores of the North Sea. Depression in west continuing to travel northwards, and barometer rising generally later in day.

Sunday, August 3.

Weather unsettled and showery on our extreme north-west coasts, but fair or fine elsewhere. Showers falling later at the extreme western and northern stations.

Temperature fallen several degrees; readings ranging from 65° at Dungeness to 54° in the Shetlands and Hebrides. Highest maxima 71° in London, and 70° at Cambridge and Yarmouth.

Wind moderate Westerly in east and south, but fresh South-Westerly in north and north-west. Subsequently veering to West generally.

Sea rough in the extreme west and north, moderate to smooth elsewhere.

Barometer rising at all but the Scandinavian stations. Readings still highest in south of France, and depression of Friday and Saturday passing away to the northward of Scotland. Rise continuing all day.

Monday, August 4.

Weather cloudy in the extreme north-west, and showery at Stornoway, but fair or fine elsewhere.

Temperature fallen slightly in most places; readings ranging from 64° at Jersey to 54° at Sumburgh Head and Nairn. Highest maxima 73° in London and 72° at Cambridge.

Wind fresh Westerly in the north of our islands, but light North-Westerly in the south and North-Easterly over the Bay of Biscay. Wind subsequently backing to South-West in Ireland.

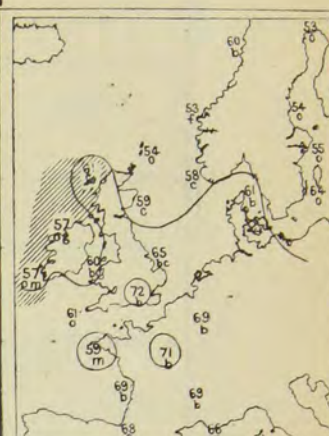
Sea moderate to smooth.

Barometer rising generally. Large anticyclone, with readings above 30.2 ins. lying over our southern coasts and the west of France. Slight fall taking place in west of Ireland during latter part of day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 121 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sunburgh Head - - -	60	40	58.3	47.7	52.7	- 1.0	3	0.55	-0.05	*	*
	Stornoway - - -	67	46	61.9	50.7	56.0	+ 1.3	6	0.68	-0.02	18	16
	Wick - - -	68	46	63.1	49.1	55.7	+ 0.6	3	0.08	-0.45	*	*
1. SCOTLAND, E.	Nairn - - -	73	50	67.1	53.7	60.0	+ 2.4	0	—	-0.65	*	*
	Aberdeen - - -	70	47	64.7	50.6	57.2	+ 0.1	0	—	-0.65	30	27
	Leith - - -	71	48	64.4	52.6	58.2	- 0.1	2	0.04	-0.56	*	*
2. ENGLAND, N.E.	Alnwick Castle - - -	69	49	64.7	52.6	58.3	+ 0.9	0	—	?	*	*
	Shields - - -	71	52	64.6	53.6	58.8	+ 0.6	1	0.01	-0.59	*	*
	Scarborough - - -	73	52	66.6	53.1	60.5	+ 1.1	0	—	-0.61	*	*
	York - - -	78	52	70.0	54.4	61.7	+ 0.7	1	0.01	-0.55	20	18
	Spurn Head - - -	76	55	66.3	56.3	61.0	+ 1.0	0	—	?	*	*
3. ENGLAND, E.	Hillington - - -	81	50	73.2	54.0	63.6	+ 3.3	0	—	-0.64	35	32
	Yarmouth - - -	74	55	67.6	57.1	62.0	+ 0.8	1	0.83	-0.55	*	*
	Geldeston - - -	84	52	72.1	54.5	62.8	+ 1.7	0	—	-0.53	39	36
	Cambridge - - -	82	50	74.4	54.7	64.0	+ 2.5	0	—	-0.53	43	40
	Rothamsted - - -	77	45	71.8	52.8	61.6	- 0.4	1	0.03	-0.58	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall) - -	83	48	72.9	54.3	63.0	+ 1.8	2	0.05	-0.57	*	*
	Loughborough - - -	82	48	72.1	54.4	62.7	+ 0.9	1	0.02	-0.53	*	*
	Leicester - - -	83	48	71.8	54.2	62.5	+ 0.7	2	0.03	-0.62	36	33
	Birmingham (Oscott) -										*	*
	Cheadle - - -	79	46	69.5	53.7	61.1	+ 1.0	0	—	?	23	21
	Churchstoke - - -	80	46	73.3	53.2	62.7	+ 1.3	0	—	-0.55	*	*
	Hereford - - -	80	43	69.7	52.6	60.6	- 0.5	2	0.03	-0.69	40	37
5. ENGLAND, S.	Cirencester - - -	80	49	71.7	56.6	63.7	+ 2.3	1	0.04	-0.53	40	38
	Oxford - - -											
	Londont - - -	83	49	75.7	55.3	64.9	+ 1.7	1	0.03	-0.51	39	37
	Marlborough - - -	81	45	72.8	54.0	62.8	+ 2.5	1	0.01	-0.64	37	35
	Strathfield Turgiss - -										*	*
	Dungeness - - -	71	51	68.6	56.0	61.9	+ 0.2	0	—	?	*	*
	Hastings (St. Leonard's) -	73	54	69.4	57.8	63.3	+ 1.9	1	0.04	-0.44	59	56
6. SCOTLAND, W.	Southampton - - -	81	50	74.5	55.8	64.6	+ 3.0	0	—	-0.63	43	41
	Hurst Castle - - -	73	50	70.1	55.9	62.6	+ 1.2	0	—	-0.64	*	*
	Laudale (Loch Sunart) -	70	52	63.1	54.1	59.3	+ 2.7	5	0.87	?	*	*
	Glasgow - - -	68	52	63.5	53.8	58.4	+ 0.7	2	0.10	-0.74	8	7
	Ardrossan - - -	71	51	64.9	52.9	57.6	- 0.1	4	0.12	-0.68	*	*
	Silloth (Cumberland) -	78	53	68.4	53.3	61.5	+ 1.5	2	0.15	-0.55	17	15
	Douglas (Isle of Man) -	70	52	64.4	53.8	58.8	+ 1.1	2	0.05	-0.66	18	17
7. ENGLAND, N.W.	Newton Reigny (Penrith) -	74	49	66.4	52.3	58.9	+ 0.5	3	0.15	?	10	9
	Barrow-in-Furness - - -	75	55	64.6	56.7	60.4	+ 0.6	1	0.08	?	*	*
	Stonyhurst - - -	76	45	66.6	53.2	59.5	+ 0.3	3	0.06	-0.98	17	16
	Blackpool - - -	77	52	69.7	56.3	61.2	+ 0.9	2	0.04	-0.56	18	17
	Manchester - - -	76	52	67.6	53.5	61.0	- 0.4	1	0.02	-0.78	*	*
	Liverpool Obs ^r (Bidston) -	79	55	67.4	57.0	61.9	+ 1.3	1	0.05	-0.60	*	*
	Llandudno - - -	79	54	66.8	56.3	61.2	+ 0.5	1	0.04	-0.56	24	22
8. ENGLAND, S.W.	Holyhead - - -	70	53	65.4	55.9	60.4	+ 0.8	2	0.04	-0.52	*	*
	Llandovery - - -	80	44	72.0	54.0	62.5	+ 1.6	3	0.09	?	*	*
	Pembroke - - -	70	54	63.7	56.7	60.0	+ 0.2	1	0.01	-0.59	50	47
	Arlington (N. Devon) -	76	50	68.4	53.7	60.6	0.0	2	0.07	?	*	*
	Cullompton - - -	76	46	71.8	53.6	62.2	+ 0.8	0	—	?	45	42
	Falmouth - - -	69	55	67.3	57.3	62.0	+ 0.8	1	0.01	-0.79	44	42
	Plymouth - - -	78	53	72.4	57.2	64.3	+ 2.6	1	0.01	-0.66	46	44
9. IRELAND, N.	Prawle Point - - -	73	52	68.3	55.4	61.5	+ 1.5	1	0.01	?	*	*
	Londonderry - - -	76	49	67.0	53.1	59.6	+ 0.1	5	0.15	-0.65	*	*
	Mullaghmore - - -	74	54	64.9	54.9	59.6	+ 0.2	6	0.17	?	*	*
	Markree Castle - - -	76	48	66.3	52.4	58.9	- 0.6	5	0.08	-0.71	17	16
	Brookeborough - - -	72	49	64.6	52.7	58.3	- 1.4	2	0.07	?	*	*
	Armagh - - -	70	52	65.5	51.6	59.8	+ 0.1	2	0.17	-0.48	18	17
	Donaghadee - - -	65	51	62.9	53.4	57.9	- 0.3	2	0.21	-0.43	*	*
10. IRELAND, S.	Dublin - - -	73	54	66.9	56.9	61.6	+ 1.8	2	0.04	-0.56	20	19
	Parsenstown - - -	75	52	66.1	54.4	59.9	+ 0.6	1	0.03	-0.69	15	14
	Kilkenny (The Castle) -	71	45	67.3	53.4	59.9	- 0.1	0	—	?	*	*
	Waterford - - -										*	*
	Roche's Point - - -	68	54	65.7	55.7	60.4	- 0.3	3	0.08	-0.63	*	*
	Valencia - - -	66	51	63.4	56.1	59.5	+ 0.3	5	0.31	-0.60	17	16
	Foynes - - -	73	51	65.6	53.6	59.2	+ 0.2	0	—	?	*	*
CHANNEL ISLANDS	Scilly (St. Mary's) - -	68	53	55.9	56.9	61.1	+ 0.4	2	0.07	-0.40	*	*
	Jersey (Noirmont) - -	81	55	69.6	58.3	63.6	+ 1.7	0	—	-0.53	58	56

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 128.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	73	50	64.3	52.8	58.2	4 above.	Day deg. 113	Day deg. 1164	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST -	77	45	69.7	54.3	61.5	4 above.	137	1601	0	380
	2. ENGLAND, N.E. -	87	44	69.2	54.4	61.4	3 above.	136	1697	0	282
	3. ENGLAND, EAST -	93	43	78.9	54.9	66.2	5 above.	169	2024	0	318
	4. MIDLAND COUNTIES†	92	40	81.0	53.5	66.5	6 above.	172	1917	0	322
	5. ENGLAND, SOUTH -	93	42	79.9	58.6	68.6	7 above.	186	2111	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST * -	84	47	72.8	54.1	62.9	5 above.	146	1691	0	231
	7. ENGLAND, N.W.* -	84	41	75.2	55.2	64.6	5 above	158	1803	0	254
	8. ENGLAND, S.W. -	84	42	74.4	56.2	64.8	4 above.	160	2012	0	105
	9. IRELAND, NORTH -	76	47	69.9	54.6	61.8	3 above.	139	1771	0	241
	10. IRELAND, SOUTH -	78	46	70.3	53.9	61.6	2 above.	137	2006	0	127
	— CHANNEL ISLANDS.	86	54	73.5	60.0	66.3	5 above.	170	2191	0	9

DISTRICTS. (See p. 128.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	10ths of In. 4	10ths of In. 3 less.	137	Ins. 21.2	29	831	26	26
	1. SCOTLAND, EAST -	3	2	5 less.	116	13.5	42	868	39	28
	2. ENGLAND, N.E. -	2	4	2 less.	102	13.1	59	859	56	27
	3. ENGLAND, EAST -	1	1	4 less.	93	10.5	68	1057	66	34
	4. MIDLAND COUNTIES†	1	2	5 less.	99	14.6	64	890	61	28
	5. ENGLAND, SOUTH -	1	1	5 less.	98	14.3	68	944	66	31
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST * -	2	4	5 less.	135	47.2 ‡	57	835	54	26
	7. ENGLAND, N.W.* -	1	2	5 less.	113	20.0	63	860	59	27
	8. ENGLAND, S.W. -	1	1	6 less.	118	20.6	69	1034	67	32
	9. IRELAND, NORTH -	2	3	5 less.	139	22.6	41	752	39	24
	10. IRELAND, SOUTH -	1	1	6 less.	128	23.6	56	873	53	28
	— CHANNEL ISLANDS.	2	3	3 less.	125	18.0	72	1284	70	45

General Remarks.

Weather has been generally cloudy or dull in the extreme western and northern parts of the Kingdom, but exceptionally fine and bright elsewhere. Towards the close of the period, however, thunder and lightning were experienced, though but little rain fell.

Temperature has been high in all districts, being as much as 7° in excess of the mean in "England, S." and between 4° and 6° in most other districts. The maxima, which were generally registered on the 11th, varied from 73° in "Scotland, N." and 76° in "Ireland, N.", to 92° in "England, S." and the "Midland Counties" (in London and at Bawtry), and to 93° in "England, E." (at Hillington). The minima, which were recorded on the 5th, were relatively very low: in the "Midland Counties" the thermometer descended to 40° and in "England, N.W." to 41°, while in most other districts it fell to between 42° and 47°. In "Scotland, N." and the "Channel Islands", however, the minima were no lower than 50° and 54° respectively.

The range of temperature during the week has thus been unusually large, that at Bawtry being 52° and that at Hillington 50°.

Rainfall has been less than the mean in all districts.

Bright sunshine has been (except in "Scotland, N.") more prevalent than for some weeks past, the percentages of possible duration varying from 70 in the "Channel Islands", 67 in "England, S.W.", and 66 in "England, E." and "England, S.", to 39 in "Ireland, S." and "Scotland, E.", and to 26 in "Scotland, N."

Depressions observed.—Until the last day of the period pressure was highest over the Gulf of Bothnia and relatively low in our Islands. No depressions, however (beyond a few shallow thunderstorm disturbances) appeared over the United Kingdom, where the barometer was very uniform and comparatively steady. The winds were consequently light in force and variable—but chiefly between South-East and North-East—in direction.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values (since Jan. 1st) in this district have been altered a little in consequence of the receipt of some arrears of observations.

‡ These figures have been altered slightly owing to a correction in the Ardrossan Rainfall for the week ending July 7th.

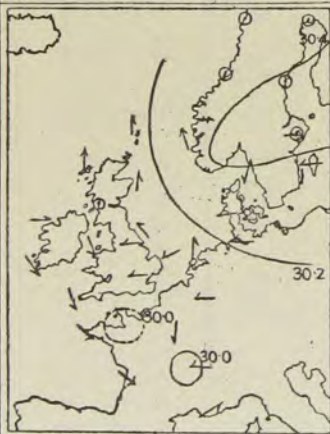
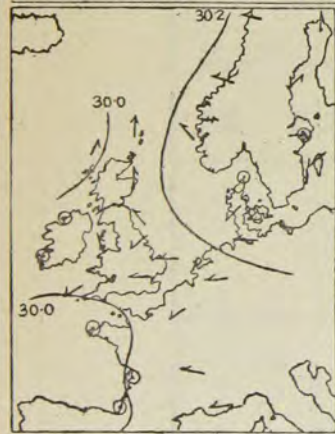
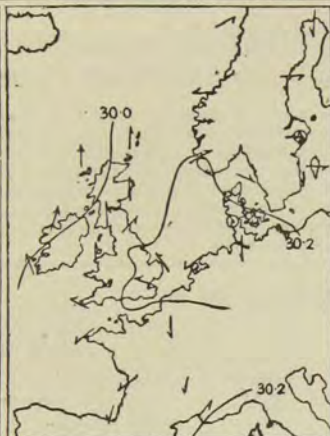
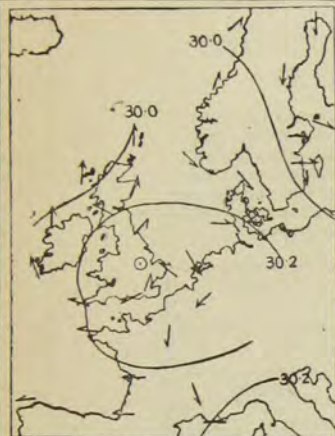
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, August 5.

Weather fine on all but extreme north-west coasts, where sky very cloudy. Slight rain falling at Stornoway in afternoon.

Temperature risen in most places; readings ranging from 65° at Dungeness to 54° in the Shetlands. Highest maxima 77° in London and at Cambridge, 75° at Loughborough, and 74° at Oxford.

Wind Easterly in France and the south of England, but Southerly in Ireland and Scotland, and Westerly or North-Westerly on eastern shores of North Sea; light or moderate in force in most places, but strong in Hebrides and also at Valencia.

Sea rough at Stornoway and Valencia, moderate to smooth elsewhere.

Barometer falling a little over the Bay of Biscay and our south-west coasts, but rising in all other parts of Western Europe. Large anticyclone lying over England, the Netherlands, and north of France, and depressions passing along in a northerly direction some distance to the westward of our Islands. Anticyclone subsequently moving eastwards.

Wednesday, August 6.

Weather fine over the whole of Western Europe. A little rain falling at Valencia in evening.

Temperature risen generally; readings ranging from 66° at Jersey to 56° at Sumburgh Head. Highest maxima 80° at Loughborough and Cambridge, 79° in London, 77° at Leith, and 76° in many other parts of Great Britain.

Wind remaining Easterly at our southern and the French stations, but Southerly in the west and north; strong in force in the Hebrides, but light or moderate elsewhere.

Sea rather rough in the Minch, and also at Valencia.

Barometer falling at all but the Scandinavian and Danish stations. Anticyclone now lying over the south of Denmark, but depressions still moving along our extreme western and northern coasts. Slight rise subsequently taking place in Scotland.

Thursday, August 7.

Weather still fine in most places, but very cloudy on our extreme north-west coasts and misty over eastern and central England.

Temperature fallen a little on our north-east and south-west coasts, but risen elsewhere; readings ranging from 70° at Holyhead and Jersey to 55° at Shields. Highest maxima 85° in London, 84° at Loughborough, 83° at Cambridge, and 82° at Oxford.

Wind light Easterly in south and east, but Southerly in north and variable in west. North-westerly breezes subsequently setting in on our west and south-west coasts.

Sea rather rough at Sumburgh Head; slight or smooth elsewhere.

Barometer rising in most places. Highest pressures now lying over Sweden and lowest off our north-west coasts. Second area of relatively high reading subsequently appearing in south-west, but barometer falling slightly over England.

Friday, August 8.

Weather fine in most places, but fog or mist reported locally. Thunderstorm occurring at Stornoway at night, and lightning seen in many parts of the Kingdom.

Temperature risen several degrees over England; readings ranging from 75° at Prawle Point, 73° at Jersey, and 72° in London to 55° at Leith. Thermometer subsequently rising to 85° at York, 88° at Oxford, and 89° at Loughborough, Cambridge, and in London.

Wind light Easterly or South-Easterly in the north and east, but North-Westerly in the south-west, Northerly in the west of France, and variable at our more central stations.

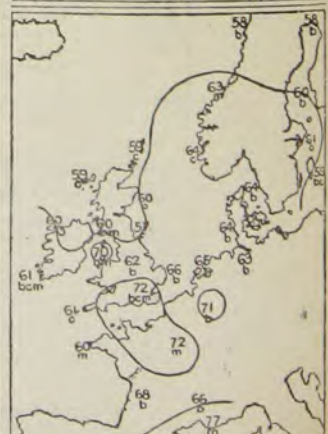
Sea slight or smooth generally.

Barometer rising a little in most places. Highest pressures still reported over Sweden, but area of relatively high readings lying off our south-west coasts. Slight fall occurring later, but no important change observed in general distribution.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



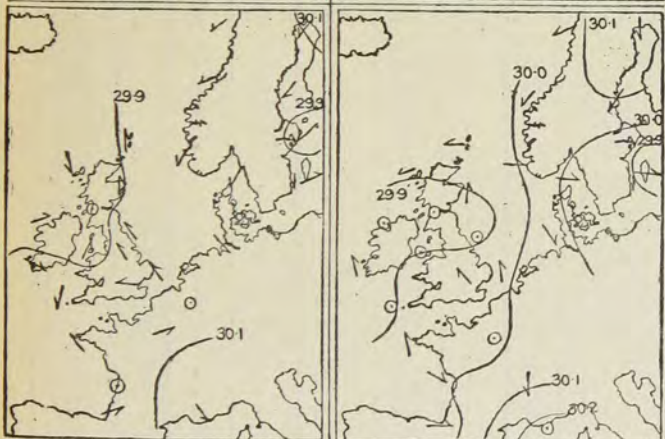
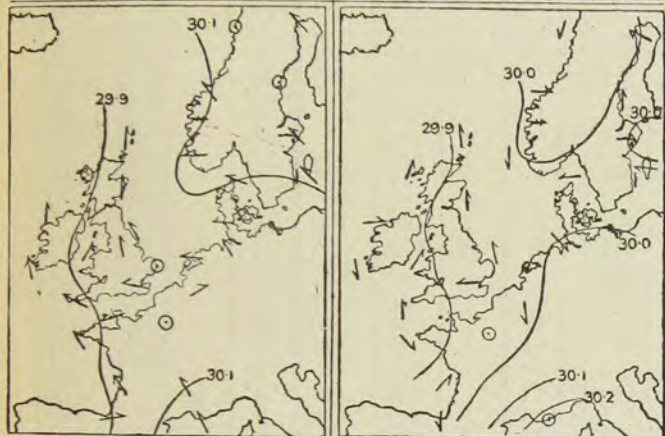
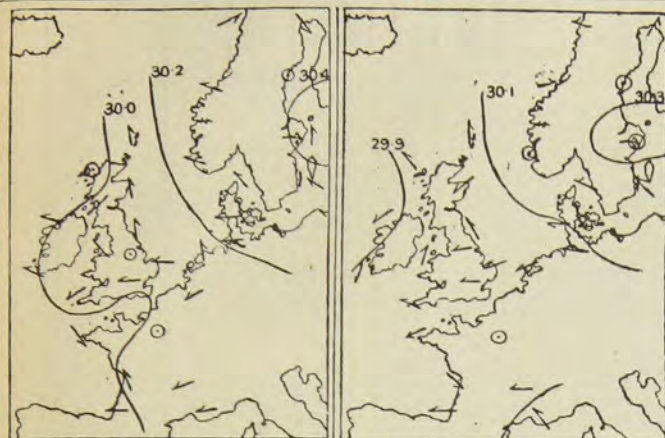
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, August 9.

Weather foggy or misty at most of the northern stations and rainy at Scilly, but generally fine elsewhere. Thunderstorms occurring later in many parts of Great Britain.

Temperature fallen slightly; readings ranging from 71° in London to 53° at Parsonstown. Highest maxima 87° in London, 86° at Cambridge, 85° at Oxford, and 84° at Loughborough.

Wind Easterly over the North Sea and our south-east coasts, and Southerly in Scotland, but variable in the western and southern parts of our islands and France. South-Easterly breezes subsequently appearing in south-west.

Sea rather rough at Sumburgh Head, moderate to smooth elsewhere.

Barometer falling a little generally. Pressure still highest Sweden, but lowest off our south-west coasts, with, however, some slight local depressions over England. Slight fall continuing all day.

Sunday, August 10.

Weather foggy or misty in the north and east, but fair in most other localities. Thunderstorms occurring later in several parts of Great Britain, with heavy rain in some places.

Temperature risen several degrees in the west but fallen in the east; readings ranging from 70° at Jersey to 55° at Sumburgh Head and Stornoway. Highest maxima 83° in London, 81° at Loughborough and Hurst Castle, and 80° at Oxford.

Wind light from East or South-East in most parts of western Europe. Subsequently becoming variable in West.

Sea rough at Valencia and Scilly, moderate to smooth elsewhere.

Barometer falling at all but the French stations. Pressure still highest in Sweden and lowest off our west and south-west coasts. Slight rise subsequently taking place in extreme west.

Monday, August 11.

Weather dull in Sweden and the west and north of our islands, but fine elsewhere. Thunderstorms occurring at night in many parts of Great Britain.

Temperature risen seven degrees over England but fallen elsewhere; readings ranging from 75° in London to 56° at Sumburgh Head, Stornoway, and Valencia. Thermometer subsequently rising to 89° at Loughborough and Oxford, 91° at Cambridge, 92° in London and at Bawtry, and 93° at Hillington. Maximum at Shields only 65°.

Wind light North-Easterly in Scandinavia and Easterly or South-Easterly on our east and south coasts but variable in west and north.

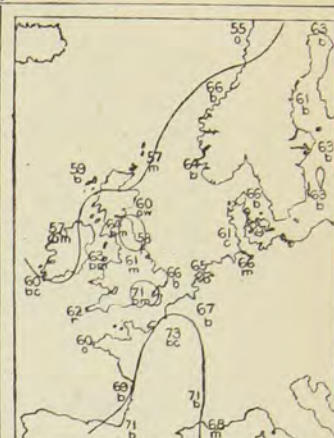
Sea slight or smooth.

Barometer fallen on eastern shores of North Sea, but rising elsewhere. Pressure now highest in south-east of France but relatively high in north of Sweden, with large area of uniformly low readings over our western and northern coasts. Slight fall taking place in our islands later and shallow depressions appearing over England.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 125 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head - - -	63	50	60·3	52·6	56·2	+ 2·3	3	Inches. 0·12	Inches. -0·58	*	*
	Stornoway - - -	71	50	66·3	52·7	59·1	+ 4·4	3	1·01	+0·26	29	26
	Wick - - -	73	50	66·4	53·0	59·3	+ 4·2	1	0·12	-0·44	*	*
1. SCOTLAND, E.	Nairn - - -	77	49	73·6	54·6	63·5	+ 6·6	1	0·08	-0·58	*	*
	Aberdeen - - -	71	45	66·9	54·6	60·4	+ 3·7	4	0·29	-0·41	42	39
	Leith - - -	77	48	68·3	53·6	60·5	+ 2·4	3	0·12	-0·48	*	*
2. ENGLAND, N.E.	Alnwick Castle - - -	71	48	67·0	52·6	59·4	+ 2·8	2	0·22	?	*	*
	Shields - - -	70	47	65·4	53·3	59·0	+ 1·3	2	0·10	-0·52	*	*
	Scarborough - - -	68	48	66·7	55·6	60·8	+ 1·8	1	0·62	+0·01	*	*
	York - - -	81	44	80·1	53·3	65·9	+ 5·7	1	0·04	-0·54	59	56
	Spurn Head - - -	70	53	67·0	57·0	61·7	+ 2·0	2	1·17	?	*	*
3. ENGLAND, E.	Hillington - - -	93	43	84·3	54·4	68·5	+ 8·3	1	0·61	-0·61	66	63
	Yarmouth - - -	72	55	69·7	61·0	65·1	+ 4·3	0	—	-0·53	*	*
	Geldeston - - -	86	44	76·3	53·5	64·2	+ 3·1	2	0·24	-0·25	76	73
	Cambridge - - -	91	45	83·6	53·3	67·5	+ 5·2	1	0·15	-0·36	63	61
	Rothamsted - - -	87	43	80·7	52·5	65·8	+ 4·1	3	0·26	-0·34	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall) - -	92	40	84·1	51·3	66·7	+ 6·2	1	0·05	-0·55	*	*
	Loughborough - - -	89	42	83·1	53·6	67·5	+ 6·0	1	0·22	-0·34	*	*
	Leicester - - -	90	45	83·6	55·1	68·5	+ 7·0	2	0·30	-0·35	60	57
	Birmingham (Oscott) -										*	*
	Cheadle - - -	83	47	76·7	56·1	65·8	+ 6·1	1	0·40	?	*	*
	Churchstoke - - -	86	40	79·6	51·1	64·5	+ 4·7	0	—	?	65	62
	Hereford - - -	88	42	81·4	52·0	65·8	+ 4·4	2	0·04	-0·53	*	*
	Cirencester - - -	86	42	78·1	53·7	65·2	+ 4·3	2	0·19	-0·57	66	63
5. ENGLAND, S.	Oxford - - -	89	46	81·6	55·4	67·8	+ 6·5	2	0·17	-0·41	63	61
	London† - - -	92	48	84·6	57·4	70·2	+ 7·3	3	0·08	-0·46	59	57
	Marlborough - - -	88	42	81·1	53·1	66·3	+ 6·3	2	0·17	-0·48	62	60
	Strathfield Turgiss - -										*	*
	Dungeness - - -	977	58	72·9	60·6	66·4	+ 4·7	0	—	?	*	*
	Hastings (St. Leonard's) -	84	57	79·5	63·4	71·0	+ 9·3	1	0·03	-0·50	76	73
	Southampton - - -	87	49	83·2	57·6	69·6	+ 8·0	1	0·01	-0·63	76	73
	Hurst Castle - - -	81	52	78·3	59·3	68·2	+ 6·9	0	—	-0·55	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart) -										*	*
	Glasgow - - -	77	51	72·7	55·2	63·2	+ 5·6	2	0·32	-0·54	38	35
	Ardrossan - - -	76	51	71·0	55·6	62·8	+ 5·2	1	0·01	-0·88	*	*
	Silloth (Cumberland) -	84	47	76·8	53·4	64·4	+ 4·7	2	0·89	+0·15	65	61
	Douglas (Isle of Man) -	75	48	70·7	52·4	61·0	+ 3·3	1	0·25	-0·57	69	65
7. ENGLAND, N.W.	Newton Reigny (Penrith) -	81	41	76·2	50·9	62·8	+ 4·6	1	0·24	?	64	60
	Barrow-in-Furness - - -	80	52	73·7	58·1	65·4	+ 5·4	2	0·14	?	*	*
	Stonyhurst - - -	81	43	75·8	54·6	64·6	+ 5·1	1	0·26	-0·80	62	58
	Blackpool - - -	83	44	74·7	52·2	62·8	+ 2·4	2	0·27	-0·30	61	58
	Manchester - - -	83	46	77·6	56·1	66·2	+ 5·7	1	0·10	-0·79	*	*
	Liverpool Obs ^y (Bidston) -	84	51	76·9	58·1	66·9	+ 6·3	0	—	-0·62	*	*
	Llandudno - - -										*	*
	Holyhead - - -	78	51	71·9	56·4	63·7	+ 4·0	1	0·50	-0·10	*	*
8. ENGLAND, S.W.	Llandovery - - -	82	48	79·0	57·6	67·7	+ 5·9	1	0·04	?	*	*
	Pembroke - - -	72	52	67·4	57·3	62·1	+ 2·6	1	0·02	-0·63	63	61
	Arlington (N. Devon) -	81	42	75·9	52·3	63·4	+ 3·1	2	0·15	?	*	*
	Cullompton - - -	84	43	77·6	51·1	63·6	+ 2·1	1	0·22	?	69	67
	Falmouth - - -	75	52	70·1	58·4	63·9	+ 3·0	1	0·25	-0·60	70	68
	Plymouth - - -	80	48	76·2	57·4	66·2	+ 4·5	1	0·03	-0·67	72	70
	Prawle Point - - -	79	52	74·6	59·3	66·5	+ 6·8	1	0·01	?	*	*
9. IRELAND, N.	Londonderry - - -	76	53	72·7	55·7	63·7	+ 5·2	2	0·47	-0·33	*	*
	Mullaghmore - - -	72	54	68·6	55·9	61·9	+ 2·6	1	0·34	?	*	*
	Markree Castle - - -	74	47	70·2	52·5	60·8	+ 1·5	1	0·26	-0·54	43	41
	Brookeborough - - -	75	48	72·4	51·6	63·0	+ 3·5	1	0·05	?	*	*
	Armagh - - -	73	49	70·3	55·4	62·4	+ 2·7	4	0·23	-0·37	38	36
	Donaghadee - - -	68	50	65·1	53·7	59·1	+ 1·0	3	0·13	-0·53	*	*
10. IRELAND, S.	Dublin - - -	74	50	70·8	58·5	64·3	+ 4·6	1	0·10	-0·55	64	61
	Parsenstown - - -	76	46	73·0	52·4	61·8	+ 2·6	1	0·02	-0·75	51	49
	Kilkenny (The Castle) -	76	49	72·3	55·4	63·5	+ 3·7	1	0·12	?	*	*
	Waterford - - -	78	46	74·1	53·1	63·0	+ 2·8	1	0·03	-0·72	*	*
	Roche's Point - - -	72	51	69·0	54·9	61·5	+ 1·2	1	0·01	-0·79	*	*
	Valencia - - -	68	47	63·1	53·7	59·1	0·0	3	0·55	-0·44	52	50
CHANNEL ISLANDS	Foynes - - -	75	47	67·7	49·6	53·1	- 0·7	1	0·18	?	*	*
	Seilly (St. Mary's) - - -	72	56	67·9	58·3	62·8	+ 1·9	2	0·38	-0·13	*	*
	Jersey (Noirmont) - - -	86	54	79·0	61·7	69·8	+ 7·9	2	0·14	-0·38	72	70

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

ERRATA.—The Rainfall at Ardrossan for the week ending July 7th was 1·06, and the difference from the mean +0·42.

WEEKLY WEATHER REPORT.

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Annual subscription,
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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 29 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 132.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	70	48	63.6	52.8	57.9	3 above.	Day deg. 111	Day deg. 1275	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	75	46	68.8	53.9	60.9	4 above.	132	1733	0	380
	2. ENGLAND, N.E.	83	46	72.0	56.1	63.6	5 above.	151	1848	0	282
	3. ENGLAND, EAST	84	48	76.2	56.5	65.7	5 above.	165	2190	0	318
	4. MIDLAND COUNTIES*	85	44	75.3	53.4	63.7	4 above.	152	2069	0	322
	5. ENGLAND, SOUTH *	84	45	74.0	56.6	64.7	3 above.	159	2270	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST †	75	48	66.6	55.0	60.4	3 above.	129	1819	0	231
	7. ENGLAND, N.W.*†	78	43	69.2	55.0	61.7	2 above.	138	1942	0	254
	8. ENGLAND, S.W.	76	45	69.4	55.0	61.8	1 above.	139	2151	0	165
	9. IRELAND, NORTH	77	46	66.5	54.9	60.4	2 above.	129	1900	0	241
	10. IRELAND, SOUTH	75	48	67.7	55.3	61.1	2 above.	134	2140	0	127
	— CHANNEL ISLANDS.	74	56	69.2	58.2	63.4	2 above.	150	2341	0	9

DISTRICTS. (See p. 132.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of In. 10	10ths of In. 3 more.	141	Ins. 22.2	20	851	19	25
	1. SCOTLAND, EAST	3	9	2 more.	119	14.4	38	906	34	20
	2. ENGLAND, N.E.	1	less than ½	6 less.	103	13.1	48	907	47	27
	3. ENGLAND, EAST	2	4	1 less.	95	10.9	52	1109	51	34
	4. MIDLAND COUNTIES*	1	1	5 less.	100	14.7	51	941	50	29
	5. ENGLAND, SOUTH *	1	1	5 less.	99	14.4	58	1002	58	32
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST †	4	13	1 less.	139	48.5	31	866	30	26
	7. ENGLAND, N.W.*†	2	less than ½	7 less.	115	20.0	41	902	40	27
	8. ENGLAND, S.W.	3	3	5 less.	121	20.9	46	1080	46	33
	9. IRELAND, NORTH	6	13	6 more.	145	23.9	21	773	20	24
	10. IRELAND, SOUTH	3	6	2 less.	131	24.2	27	900	27	28
	— CHANNEL ISLANDS.	2	3	3 less.	127	18.3	70	1354	70	46

General Remarks.

Weather has been unsettled and showery in the extreme west and north, but generally fine and bright over England. Severe thunderstorms, however, were experienced in many parts of the Kingdom during the earlier part of the week, notably in the north on the 12th, as well as in the east and south-east of England.

Temperature, though generally lower than during last week, has again been above the mean, the excess varying from 1° in "England, S.W." to 4° in "Scotland, E." and the "Midland Counties," and 5° in "England, N.E." and "England E." The highest of the daily maxima (which were recorded on the 17th in England and on various dates in Ireland and Scotland) ranged from 76° in "Scotland, N." to between 83° and 85° over the greater part of England. The lowest of the minima were registered on the 14th or 15th, and varied between 43° and 50° over England to 48° in the east and north of Scotland and the south of Ireland, and to 56° in the "Channel Islands".

Rainfall has been more than the mean in the north and east of Scotland and in "Ireland, N.", but less elsewhere.

Bright sunshine has been less prevalent than during last week, the percentages of possible duration varying from 19 in "Scotland, N." and 20 in Ireland, to 58 in "England, S." and to 70 in the "Channel Islands".

Depressions observed.—Barometric pressure has been highest over the Continent and lowest over the Atlantic; depressions have travelled northwards or north-eastwards outside our western coasts, and a few shallow local disturbances have appeared in the east. Southerly to South-Westerly winds have consequently been general in the southern and south-western parts of the Kingdom, and South-Easterly to South-Westerly breezes in the north; in force they have been light in the east and south, but have occasionally increased to a fresh or strong breeze in the west and north.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values (since Jan. 1st) in these districts have been altered a little in consequence of the receipt of some arrears of observations.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, August 12. <i>Weather</i> unsettled except on our extreme south-eastern coasts, much fog in Scotland; thunderstorms in many parts of the Kingdom—very heavy in the north and east, where rainfall exceeded 1.5 ins. <i>Temperature</i> fallen decidedly, but daily maximum still above 80° over England. <i>Wind</i> light; chiefly Easterly (South-East to North-East) in the north. South-Westerly in the south. <i>Sea</i> very little disturbed. <i>Barometer</i> high over northern Europe, and rather so over and to the westward of Spain; relatively low off our north-west coasts and over our Islands; shallow local depressions appearing over our Islands during the day.	
		Wednesday, August 13. <i>Weather</i> still fine on the whole over the greater part of England, but less settled towards night and somewhat showery in most places. Thunder and lightning in several localities—most in far north. <i>Temperature</i> still lower than on 12th (highest maxima 77° to 80°), but still high for time of year. <i>Wind</i> South-Westerly in the south, and fresher than of late; Southerly and South-Easterly in the north. <i>Sea</i> rather rough in the south-west and at Sumburgh Head, moderate in the Channel, smooth elsewhere. <i>Barometer</i> inclined to rise; distribution of pressure little changed; local irregularities over our Islands during the day.	
		Thursday, August 14. <i>Weather</i> fine generally except in extreme west, but cloudy at times. <i>Temperature</i> still lower than of late; the highest of the daily maxima varying from 70° to 74°, and the lowest night minima over England ranging from 43° to 50°. <i>Wind</i> South-Westerly and Westerly; falling light. <i>Sea</i> moderate in extreme south-west and west; smooth elsewhere. <i>Barometer</i> risen generally; pressures at 8h. a.m. varying from about 30.1 inches over the southern half of the Bay of Biscay and 30.2 inches over the Gulf of Bothnia to 29.7 inches at Stornoway.	
		Friday, August 15. <i>Weather</i> cloudy and showery in the north and extreme west of our Islands; fine elsewhere, with brighter clearer sky than of late. Rainfall 0.6 inch to 0.7 inch in extreme west and north-west. <i>Temperature</i> rising again; daily maxima over England ranging from 74° to 77°. <i>Wind</i> Southerly and South-Westerly; light to moderate over England, fresh to strong in Ireland and Scotland. <i>Sea</i> rough in the far west; slight or smooth elsewhere. <i>Barometer</i> highest over the Continent, lowest over the Atlantic. Depression in far west moving northwards; subsidiary disturbance over North Sea, near the mouth of the Elbe.	

III.—DATA from which the SUMMARY on page 129 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
O. SCOTLAND, N.	Sumburgh Head	65	48	61.6	51.6	56.3	+ 2.6	3	Inches. 0.33	Inches. -0.46	*	*
	Stornoway	70	51	62.6	53.6	57.8	+ 3.0	5	1.07	+0.27	20	19
	Wick	70	49	66.6	53.3	59.6	+ 4.5	4	1.50	+0.93	*	*
1. SCOTLAND, E.	Nairn	70	52	67.3	55.0	60.8	+ 4.2	4	0.89	+0.22	*	*
	Aberdeen	71	46	69.6	53.0	60.8	+ 4.3	3	0.09	-0.66	38	36
	Leith	75	49	69.4	53.7	61.1	+ 3.3	2	1.70	+1.10	*	*
2. ENGLAND, N.E.	Alnwick Castle	73	52	69.6	54.9	61.8	+ 5.2	0	—	?	*	*
	Shields	76	52	71.7	54.9	62.8	+ 5.3	1	0.04	-0.58	*	*
	Scarborough	76	51	71.8	56.6	63.7	+ 5.0	0	—	-0.60	*	*
	York	83	46	77.4	55.6	65.9	+ 6.3	2	0.09	-0.50	48	47
	Spurn Head	74	54	69.7	58.3	63.7	+ 4.2	1	0.02	?	*	*
3. ENGLAND, E.	Hillington	84	49	80.0	56.0	67.3	+ 7.3	2	0.06	-0.54	55	54
	Yarmouth	75	60	70.0	61.1	65.3	+ 4.6	2	1.95	+1.44	*	*
	Geldeston	78	52	76.2	56.7	65.9	+ 5.1	2	0.09	-0.35	44	41
	Cambridge	82	50	79.0	55.0	66.3	+ 4.0	1	0.03	-0.48	57	56
	Rothamsted	80	48	75.6	53.6	63.9	+ 2.0	1	0.06	-0.54	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	85	46	79.9	53.4	65.9	+ 5.6	1	0.01	-0.57	*	*
	Loughborough	83	46	76.4	54.6	64.9	+ 4.0	1	0.14	-0.49	*	*
	Leicester	84	48	76.6	53.9	64.6	+ 3.6	1	0.28	-0.37	51	50
	Birmingham (Oscott)	*	*	*	*	*	*	*	*	*	*	*
	Cheadle	75	47	71.5	53.7	62.1	+ 3.0	1	0.01	?	*	*
	Churchstoke	77	45	72.8	51.5	61.5	+ 2.5	2	0.16	?	47	46
	Hereford	82	46	77.1	52.9	64.3	+ 4.1	1	0.17	-0.43	*	*
5. ENGLAND, S.	Cirencester	78	54	72.1	59.9	66.0	+ 0.6	2	0.20	-0.58	45	45
	Oxford	80	51	75.7	56.0	65.3	+ 4.6	1	0.01	-0.55	59	58
	London†	84	52	79.1	55.9	66.8	+ 3.9	0	—	-0.55	55	55
	Marlborough	80	45	75.4	52.2	62.9	+ 2.5	2	0.04	-0.66	56	56
	Strathfield Turgiss	75	52	71.0	59.1	64.7	+ 3.0	2	0.33	-0.17	*	*
6. SCOTLAND, W.	Dungeness	76	54	71.4	59.7	65.2	+ 3.5	1	0.12	-0.48	64	64
	Hastings (St. Leonard's)	81	49	75.6	55.6	65.0	+ 3.3	2	0.07	-0.38	58	57
	Southampton	74	53	71.3	57.1	63.8	+ 2.5	2	0.08	-0.50	*	*
	Hurst Castle	*	*	*	*	*	*	*	*	*	*	*
7. ENGLAND, N.W.	Laudale (Loch Sunart)	75	54	66.0	55.2	60.3	+ 3.5	7	3.52	?	*	*
	Glasgow	72	53	66.1	56.3	60.9	+ 3.8	5	1.35	+0.56	26	19
	Ardrossan	70	53	64.3	57.0	60.3	+ 2.9	5	1.42	+0.50	*	*
	Silloth (Cumberland)	75	49	70.6	54.9	62.3	+ 2.9	1	0.14	-0.65	37	36
	Douglas (Isle of Man)	69	48	65.9	51.8	58.4	+ 0.7	2	0.05	-0.85	35	34
8. ENGLAND, S.W.	Newton Reigny (Penrith)	78	43	68.5	50.5	59.0	+ 1.2	1	0.01	?	39	38
	Barrow-in-Furness	70	54	67.7	58.7	62.9	+ 2.9	1	0.02	?	*	*
	Stonyhurst	72	47	70.5	53.4	61.4	+ 2.2	3	0.08	-1.02	43	42
	Blackpool	70	47	68.1	54.0	60.6	+ 0.3	1	0.02	-0.53	42	41
	Manchester	76	47	72.3	54.8	63.0	+ 2.8	1	0.02	-0.78	*	*
	Liverpool Obs† (Bidston)	75	52	71.6	57.0	63.8	+ 3.4	3	0.05	-0.55	*	*
	Llandudno	69	55	66.0	56.6	61.0	+ 1.3	1	0.11	-0.54	*	*
9. IRELAND, N.	Holyhead	76	51	73.1	54.7	63.4	+ 2.7	3	0.40	?	*	*
	Llandoverly	66	56	65.0	58.1	61.3	+ 2.3	4	0.18	-0.52	47	47
	Pembroke	71	49	67.7	51.9	59.3	- 0.2	4	0.50	?	*	*
	Arlington (N. Devon)	77	45	72.5	51.1	61.2	- 0.2	2	0.29	?	41	41
	Cullompton	72	55	68.6	57.7	62.8	+ 2.0	3	0.19	-0.70	47	47
10. IRELAND, S.	Plymouth	74	49	72.0	55.5	63.3	+ 1.6	2	0.18	-0.52	49	49
	Prawle Point	70	52	66.7	56.3	61.2	+ 1.8	3	0.17	?	*	*
	Londonderry	77	52	68.4	54.9	61.3	+ 3.0	6	1.65	+0.84	*	*
	Mullaghmore	72	53	64.7	56.3	60.3	+ 1.3	7	1.85	?	*	*
	Markree Castle	72	46	65.4	53.0	58.8	+ 0.2	6	1.49	+0.69	22	21
CHANNEL ISLANDS	Brookeborough	75	52	66.7	51.9	60.5	+ 1.5	6	1.78	?	*	*
	Armagh	74	52	67.7	55.6	61.3	+ 2.3	6	0.91	+0.31	19	18
	Donaghadee	67	49	66.0	51.7	60.0	+ 2.3	3	0.32	-0.38	*	*
	Dublin	75	54	71.0	58.8	64.5	+ 3.1	3	0.03	-0.57	35	34
	Parsonstown	74	49	67.7	51.4	60.7	+ 1.8	3	0.55	-0.24	22	22
CHANNEL ISLANDS	Kilkenny (The Castle)	74	52	68.6	55.4	61.6	+ 2.4	1	0.48	?	*	*
	Waterford	73	51	70.8	54.7	62.3	+ 1.4	3	0.37	-0.45	*	*
	Roche's Point	71	54	67.4	56.9	61.8	+ 1.7	3	0.31	-0.50	*	*
	Valencia	66	52	61.1	55.7	59.7	+ 0.6	7	2.12	+1.09	25	25
	Foynes	69	48	64.2	51.1	57.3	- 1.3	3	0.50	?	*	*
CHANNEL ISLANDS	Seilly (St. Mary's)	71	57	69.0	58.1	63.2	+ 2.4	3	0.24	-0.36	*	*
	Jersey (Noirmont)	74	56	69.4	58.3	63.5	+ 1.6	1	0.26	-0.27	70	70

Stations marked *fil* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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WEEK ENDING MONDAY, 25TH AUGUST, 1884.

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DISTRICTS (See p. 136.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	69	44	61.3	50.3	55.4	1 above.	Day deg. 94	Day deg. 1369	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	80	47	68.3	53.0	60.2	4 above.	127	1860	0	380
	2. ENGLAND, N.E.	85	46	69.8	54.7	61.8	4 above.	139	1987	0	282
	3. ENGLAND, EAST	87	48	75.3	53.4	63.8	4 above.	153	2343	0	318
	4. MIDLAND COUNTIES*	90	40	75.1	50.3	62.0	2 above.	140	2200	0	322
	5. ENGLAND, SOUTH*	86	45	74.9	54.9	64.3	3 above.	156	2426	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	76	42	66.0	52.1	58.6	1 above.	116	1935	0	231
	7. ENGLAND, N.W.†	85	39	70.4	54.1	61.8	2 above.	139	2082	0	254
	8. ENGLAND, S.W.	81	44	70.7	54.8	62.3	2 above.	142	2293	0	105
	9. IRELAND, NORTH	74	43	65.4	51.7	58.1	0 (average.)	113	2013	0	241
	10. IRELAND, SOUTH	79	39	67.9	52.5	59.7	1 above.	124	2264	0	127
	— CHANNEL ISLANDS.	82	50	70.2	58.6	64.1	3 above.	155	2496	0	9

DISTRICTS. (See p. 136.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10ths of In. 4	10ths of In. 2 less.	146	Ins. 22.6	22	873	22	25
	1. SCOTLAND, EAST	2	2	5 less.	121	14.6	39	945	38	29
	2. ENGLAND, N.E.	2	1	5 less.	105	13.2	50	957	50	28
	3. ENGLAND, EAST	3	3	2 less.	98	11.2	53	1165	58	35
	4. MIDLAND COUNTIES*	2	2	5 less.	102	14.9	60	1001	61	29
	5. ENGLAND, SOUTH*	2	2	4 less.	101	14.6	56	1058	57	32
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST†	4	3	4 less.	143	48.8	44	910	44	27
	7. ENGLAND, N.W.	1	1	7 less.	116	20.2	55	937	55	28
	8. ENGLAND, S.W.	1	less than ½	8 less.	122	20.9	64	1144	65	34
	9. IRELAND, NORTH	4	2	6 less.	119	24.1	31	804	31	24
	10. IRELAND, SOUTH	2	1	8 less.	133	24.3	40	940	41	28
	— CHANNEL ISLANDS.	2	2	4 less.	129	18.5	61	1415	63	46

General Remarks.

Weather has continued cloudy and unsettled in the extreme west and north, but in most other parts of our Islands (especially over England) it was fine, clear, and warm, until the end of the period, when it became very dull, cold, and showery over the whole country, with thunderstorms in many places.

Temperature has been about equal to the mean in "Ireland, N.," but above it in all other districts, the excess varying from 1° in the north and west of Scotland and in the south of Ireland, to 4° in the east and north-east of England and the east of Scotland. The highest of the maxima were generally recorded on the 24th, when the thermometer rose to 90° in the "Midland Counties" (at Bawtry), to between 85° and 87° in most other parts of England, and to 80° in "Scotland, E." Over the greater part of Ireland the maximum heat recorded was no higher than 74° or 75°, while in "Scotland, N." it did not exceed 69°. The minima (which were registered in most places on the 20th) varied from 39° in "England, N.W." and "Ireland, S." and 40° in the "Midland Counties", to 47° in "Scotland, E." and 50° in the "Channel Islands".

Rainfall has been less than the mean in all districts, especially so over England.

Bright sunshine has been more prevalent than during last week in nearly all districts, the percentages of the possible duration varying from 22 in "Scotland, N." and 31 in "Ireland, N.", to 61 in the "Midland Counties", 63 in the "Channel Islands", and 65 in "England, S.W."

Depressions observed.—The distribution of barometric pressure during this period has been rather complex. At the earlier part of the week two areas of high pressure were shown, one over the north of Scandinavia and the other over the south-western parts of our Islands and France, while a depression travelled in a north-easterly direction outside our extreme north-west coasts. As the week advanced, however, a high pressure area moved eastwards over the United Kingdom to the eastern shores of the North Sea, producing Southerly winds on our western and northern coasts, while South-Easterly or Easterly breezes were felt in the south. A new anticyclone then appeared in the west, while a depression was shown off the west of Norway. The two high pressure areas were separated by a band of low readings, which at 8 A.M. on the 25th lay over the North Sea, the east of England, and west of France. Northerly winds then became general bringing the colder weather referred to above.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values (since Jan. 1st) in this district have been altered a little in consequence of the receipt of some arrears of observations.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
-8 a.m.	6 p.m.		
		Tuesday, August 19. <i>Weather</i> less settled and cooler than of late, and showery over England. Thunderstorms in some places; aurora seen at Wick. <i>Temperature</i> fallen in most places; the highest of the maxima varying from 70° to 74°. <i>Wind</i> South-Westerly and Westerly; moderate to fresh at first, but lulling later. <i>Sea</i> moderate in the south and west, smooth elsewhere. <i>Barometer</i> highest over Spain and over northern Europe. Depression off our north-western coasts, moving northwards; shallow subsidiary disturbances over England.	
		Wednesday, August 20. <i>Weather</i> more fair than on Tuesday; showers falling at our extreme western and north-western stations only. General appearance improving. <i>Temperature</i> lower at first than on 19th, but subsequently rising to between 70° and 76° over England. <i>Wind</i> Southerly in the north, and South-Westerly in far west; very light and variable elsewhere. <i>Sea</i> smooth, or nearly so, except at Scilly. <i>Barometer</i> rising generally; depression in north disappearing, and southern anticyclone spreading northwards over England, and uniting by a "col" with that over northern Scandinavia.	
		Thursday, August 21. <i>Weather</i> fine generally over Great Britain, but dull in Ireland, with slight rain at some stations. <i>Temperature</i> beginning to rise again; maxima over England slightly higher than on 20th, but not reaching 80°. <i>Wind</i> very light and variable, but chiefly Westerly in the far north, and North-Easterly in France. <i>Sea</i> smooth. <i>Barometer</i> still rising generally; complex anticyclonic system advancing from the westward, having two distinct maxima.	
		Friday, August 22. <i>Weather</i> rather foggy in early morning, but clearing later and becoming exceedingly fine, especially over England. <i>Temperature</i> still rising, and reaching to between 80° and 84° over our inland counties during the day. <i>Wind</i> moderate Southerly in the west and north, but light South-Easterly and Easterly over England and the Channel. <i>Sea</i> moderate in the far west; smooth elsewhere. <i>Barometer</i> inclined to fall a little in the west, rising in east. Yesterday's anticyclonic system now lying over the North Sea and Scandinavia.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

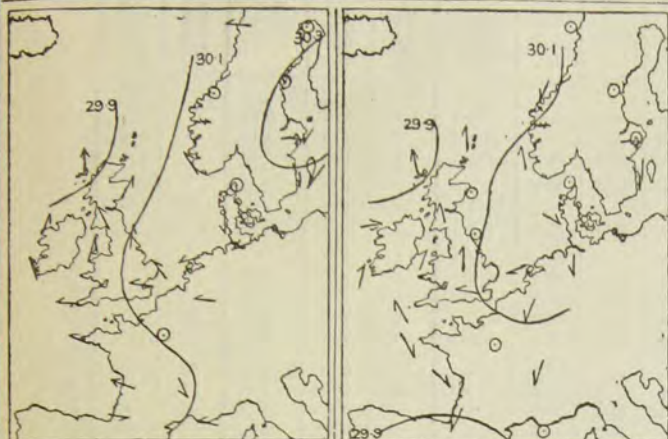
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, August 23.

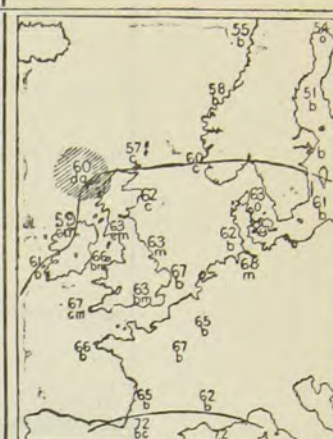
Weather again very fine except in the extreme north-west, where some rain fell generally. Again foggy in early morning over England.

Temperature continuing to increase, the highest of the daily maxima over England varying from 80° to 86°.

Wind still Southerly in far west and north, South-Easterly and Easterly elsewhere; light in force except in far north.

Sea smooth, except at Stornoway.

Barometer highest to eastward and north-eastward of the North Sea, with a "ridge" extending westwards over England and Ireland. Mercury almost stationary.



Sunday, August 24.

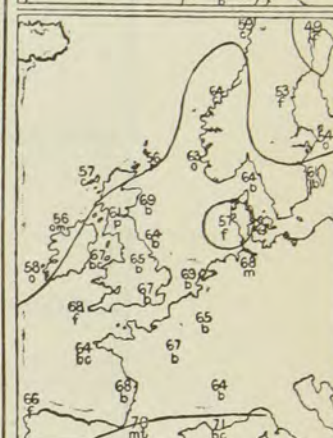
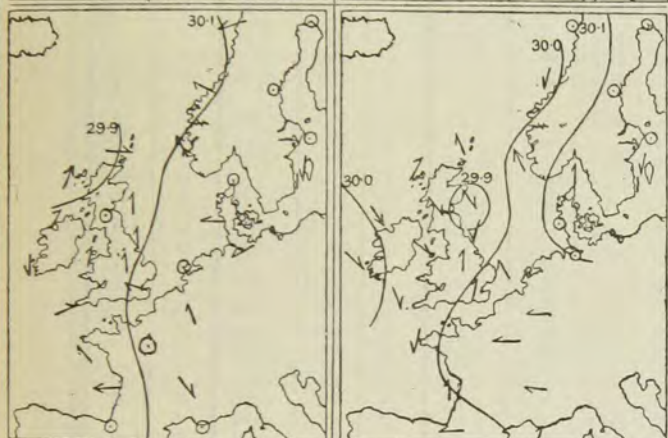
Weather becoming decidedly less settled in the north and west, with showers and local thunderstorms; still very fine over England till night, when lightning was seen and clouds appeared.

Temperature very high over England; the maxima inland varying from 85° to 90°. Thermometer falling decidedly in Scotland.

Wind veering to North-West at the Irish and Scotch stations; very light and variable over England.

Sea very smooth.

Barometer rising again in west. New anticyclone appearing in far west, and increasing in intensity; depression off our northern coasts and another (shallow one) over the North Sea.



Monday, August 25.

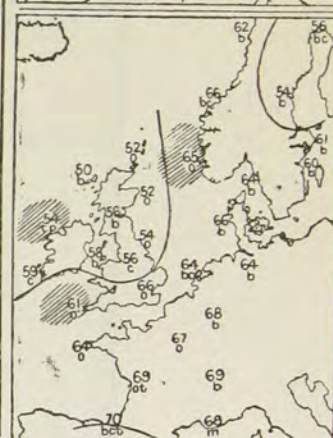
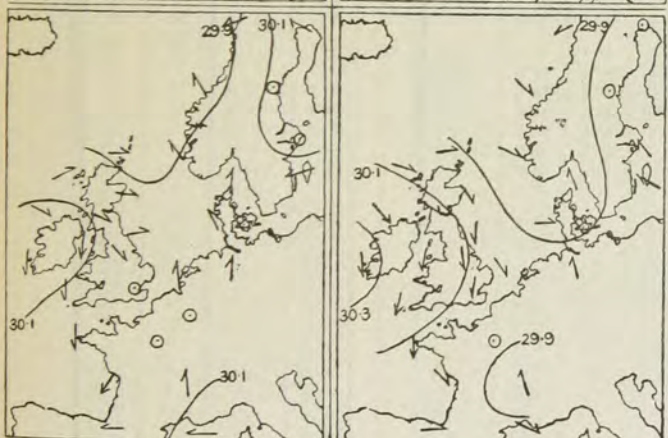
Weather completely changed—cold and showery over England, but temporarily fine again in Scotland.

Temperature fallen very much—London was 27° colder at 2 p.m. than at the same hour on Sunday. Maxima ranging from 63° to 74°.

Wind North-Westerly and Northerly, moderate to fresh; gusty at times—air raw.

Sea rather rough at Mullaghmore and Scilly.

Barometer rising west, falling east; western anticyclone now very clearly marked; band of low pressure lying north and south over the North Sea, the east of England and north and west of France.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 133 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of pos- sible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	63	45	59.7	50.7	54.9	+ 1.0	4	0.57	-0.24	*	*
	Stornoway	62	44	59.9	49.0	54.1	- 0.4	7	0.75	-0.13	22	22
	Wick	69	44	64.3	50.9	57.2	+ 3.5	3	0.29	-0.29	*	*
1. SCOTLAND, E.	Nairn	71	48	66.9	53.3	59.7	+ 3.9	2	0.08	-0.61	*	*
	Aberdeen	71	47	67.1	52.6	59.4	+ 3.6	3	0.47	-0.31	39	38
	Leith	80	48	70.9	53.0	61.4	+ 4.1	1	0.02	-0.53	*	*
2. ENGLAND, N.E.	Alnwick Castle	77	46	66.9	51.7	58.8	+ 2.7	1	0.15	?	*	*
	Shields	79	46	68.4	53.3	60.4	+ 3.7	3	0.12	-0.49	*	*
	Scarborough	72	32	69.5	56.2	62.5	+ 4.5	1	0.06	-0.54	*	*
	York	85	46	76.4	53.7	64.4	+ 5.8	2	0.04	-0.56	50	50
	Spurn Head	73	56	67.6	58.4	62.8	+ 4.1	2	0.07	?	*	*
3. ENGLAND, E.	Hillington	87	48	79.5	52.9	65.7	+ 6.1	3	0.31	-0.29	55	56
	Yarmouth	72	56	69.1	61.0	64.8	+ 4.5	2	0.34	-0.20	*	*
	Geldeston	82	48	74.3	51.5	62.2	+ 1.9	2	0.17	-0.31	55	56
	Cambridge	86	48	78.0	52.6	64.5	+ 3.4	3	0.51	-0.02	59	61
	Rothamsted	84	48	75.7	49.1	61.9	+ 1.4	4	0.35	-0.25	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	90	40	78.6	49.4	63.4	+ 3.9	1	0.16	-0.44	*	*
	Loughborough	85	43	76.1	51.1	62.9	+ 2.8	2	0.17	-0.44	*	*
	Leicester	86	46	76.9	51.7	63.5	+ 3.3	2	0.20	-0.63	56	57
	Birmingham (Oscott)										*	*
	Cheadle	82	46	72.1	51.0	60.9	+ 1.6	3	0.22	?	*	*
	Churchstoke	83	43	73.8	47.8	60.0	+ 0.8	2	0.12	?	60	61
	Hereford	85	46	75.4	49.8	61.8	+ 1.4	2	0.17	-0.44	*	*
5. ENGLAND, S.	Cirencester	84	42	72.0	48.4	59.5	- 0.9	2	0.13	-0.67	59	60
	Oxford	84	48	75.6	53.1	63.7	+ 2.6	3	0.12	-0.44	65	66
	London†	86	49	77.1	54.3	65.0	+ 3.0	2	0.10	-0.45	47	48
	Marlborough	84	45	76.3	49.6	62.2	+ 2.8	3	0.10	-0.65	56	57
	Strathfield Turgiss										*	*
6. SCOTLAND, W.	Dungeness	75	52	71.0	57.4	63.8	+ 2.3	2	0.16	?	*	*
	Hastings (St. Leonard's)	79	54	73.9	58.0	65.5	+ 4.3	3	0.10	-0.50	63	65
	Southampton	83	51	76.5	53.5	64.3	+ 2.9	2	0.46	-0.22	58	59
	Hurst Castle	79	51	74.4	56.7	65.1	+ 3.9	2	0.34	-0.26	*	*
	Laudale (Loch Sunart)	69	49	63.5	52.5	57.7	+ 1.1	6	0.76	?	*	*
7. ENGLAND, N.W.	Glasgow	74	45	65.4	50.9	57.7	+ 1.2	3	0.32	-0.60	37	37
	Ardrossan	70	45	64.1	54.1	58.8	+ 2.0	5	0.34	-0.61	*	*
	Silloth (Cumberland)	76	42	70.2	52.3	60.7	+ 1.7	4	0.14	-0.66	46	46
	Douglas (Isle of Man)	72	43	66.7	50.9	58.3	+ 0.7	1	0.01	-0.88	50	50
	Newton Reigny (Penrith)	77	39	70.5	49.8	59.5	+ 2.4	2	0.12	?	49	49
8. ENGLAND, S.W.	Barrow-in-Furness	77	52	69.1	55.9	62.1	+ 2.4	1	0.04	?	*	*
	Stonyhurst	80	46	70.8	53.9	61.8	+ 2.8	2	0.21	-0.90	55	55
	Blackpool	82	45	70.6	53.1	61.3	+ 1.3	3	0.05	-0.53	53	56
	Manchester	83	45	72.3	53.1	62.1	+ 2.4	1	0.29	-0.52	*	*
	Liverpool Obs. (Bidston)	85	52	72.1	55.7	63.4	+ 3.6	2	0.12	-0.53	*	*
	Llandudno	78	51	70.2	55.5	62.4	+ 2.3	0	—	-0.75	59	60
	Holyhead	78	51	67.9	56.1	61.7	+ 2.3	0	—	-0.70	*	*
9. IRELAND, N.	Llandoverly	81	44	72.7	52.0	61.7	+ 1.4	2	0.09	?	*	*
	Pembroke	73	54	66.7	57.3	61.7	+ 3.4	0	—	-0.75	67	68
	Arlington (N. Devon)	80	47	70.9	53.6	61.7	+ 2.7	1	0.04	?	*	*
	Cullompton	79	45	73.6	54.8	60.5	+ 0.0	1	0.01	?	58	59
	Falmouth	71	55	67.6	57.7	62.4	+ 1.8	1	0.04	-0.90	63	64
10. IRELAND, S.	Plymouth	79	49	73.5	57.0	64.8	+ 3.1	1	0.02	-0.73	67	68
	Prawle Point	75	52	70.0	57.4	63.3	+ 4.6	2	0.07	?	*	*
	Londonderry	74	45	67.0	50.7	58.4	+ 0.8	3	0.12	-0.73	*	*
	Mullaghmore	71	51	64.6	54.4	59.2	+ 0.6	4	0.20	?	*	*
	Markree Castle	71	43	64.7	49.5	56.6	- 1.5	5	0.12	-0.68	34	34
CHANNEL ISLANDS	Brookeborough	71	44	64.7	50.1	57.0	- 1.4	2	0.07	?	*	*
	Armagh	72	45	66.0	53.1	59.2	+ 0.8	6	0.33	-0.28	27	27
	Donaghadee	71	45	65.1	52.3	58.3	+ 1.0	2	0.09	-0.61	*	*
	Dublin	73	53	68.0	55.8	61.5	+ 2.8	1	0.06	-0.59	46	47
	Parsonstown	75	42	66.7	51.3	58.5	0.0	1	0.06	-0.74	41	41
CHANNEL ISLANDS	Kilkenny (The Castle)	75	39	68.7	50.7	59.2	+ 0.7	3	0.09	?	*	*
	Waterford	79	47	72.3	52.0	61.5	+ 2.4	1	0.06	-0.82	*	*
	Roche's Point	73	50	68.6	54.6	61.2	+ 1.5	0	—	-0.88	*	*
	Valencia	69	52	64.4	54.4	59.1	- 0.6	3	0.07	-1.01	34	34
	Foynes	72	48	66.5	49.0	57.2	- 1.1	2	0.03	?	*	*
CHANNEL ISLANDS	Seilly (St. Mary's)	70	56	67.4	58.9	62.9	+ 2.2	1	0.02	-0.65	*	*
	Jersey (Noirmont)	82	50	73.1	58.3	65.3	+ 3.6	2	0.32	-0.23	61	63

Stations marked ft are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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New Series.

WEEK ENDING MONDAY, 1ST SEPTEMBER, 1884.

[Price 4d.
[Annual subscription,
post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 140.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	63	37	58.0	41.2	50.7	3 below.	Day deg. 61	Day deg. 1430	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST -	65	40	60.2	45.9	52.6	3 below.	74	1934	0	380
	2. ENGLAND, N.E. -	65	42	60.8	48.7	54.4	2 below.	87	2074	0	282
	3. ENGLAND, EAST -	68	38	63.5	50.5	56.6	3 below.	102	2445	0	318
	4. MIDLAND COUNTIES *	70	41	62.5	49.6	55.7	3 below.	96	2305	0	322
	5. ENGLAND, SOUTH * -	69	41	64.6	52.5	58.2	2 below.	113	2539	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	66	40	59.1	46.7	52.5	4 below.	74	2009	0	231
	7. ENGLAND, N.W. -	69	41	60.1	49.8	54.7	4 below.	89	2171	0	254
	8. ENGLAND, S.W. -	67	41	62.7	52.8	57.5	2 below.	109	2402	0	105
	9. IRELAND, NORTH -	64	39	59.6	47.1	53.1	4 below.	78	2091	0	241
	10. IRELAND, SOUTH * -	68	40	60.9	49.1	54.6	3 below.	88	2352	0	127
	— CHANNEL ISLANDS -	67	51	63.4	55.3	59.1	2 below.	120	2616	0	9
DISTRICTS. (See p. 140.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10ths of In. 9	10ths of In. 1 more.	151	In. 23.5	23	896	29	25	
	1. SCOTLAND, EAST -	6	6	1 less.	127	15.2	41	986	50	29	
	2. ENGLAND, N.E. -	4	7	0 (average).	109	13.9	17	974	20	28	
	3. ENGLAND, EAST -	6	11	5 more.	104	12.3	16	1181	21	34	
	4. MIDLAND COUNTIES *	5	15	8 more.	107	16.4	20	1021	25	30	
	5. ENGLAND, SOUTH * -	6	12	5 more.	107	15.8	20	1078	24	32	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST -	5	10	0 (average).	148	49.8	19	929	23	26	
	7. ENGLAND, N.W. -	6	14	6 more.	122	21.6	18	975	22	28	
	8. ENGLAND, S.W. -	6	21	12 more.	128	23.0	23	1167	29	34	
	9. IRELAND, NORTH -	6	13	5 more.	125	25.4	14	818	18	24	
	10. IRELAND, SOUTH * -	6	8	1 less.	139	25.1	23	963	28	28	
	— CHANNEL ISLANDS -	7	14	7 more.	136	19.9	28	1443	34	46	

General Remarks.

Weather has been generally cool, unsettled, and showery. Thunder occurred in some parts of England at the close of the period.

Temperature has been from 2 to 4 degrees below the mean for the time of year. The maxima, which occurred on various dates in the different districts, ranged from 70° in the "Midland Counties" and 69° in "England, S." to 63° in "Scotland, N." and "Scotland, E." The minima, which were observed during the earlier part of the week, varied between 37° and 42° in most parts of the Kingdom, but in the "Channel Islands" the thermometer did not fall below 51°.

Rainfall has been less than the mean in "Scotland, E." and "Ireland, S." and about equal to it in "England, N.E." but more in all other districts. In most parts of England the excess has been considerable.

Bright sunshine has been much less prevalent than of late. In "Scotland, E." the percentage of possible duration amounted to 50, and in the "Channel Islands" to 46, but elsewhere it ranged between 18 and 34.

Depressions observed.—At the commencement of the period an anticyclone existed to the south-westward of our Islands, and Westerly or North-Westerly breezes, with fair but cool weather, were reported generally. On the 27th, however, the high pressure system receded to the southward, and from that time till the close of the week numerous shallow depressions advanced over our Islands from the Atlantic, occasioning varying Southerly and Westerly breezes and showery weather.

* Returns incomplete; values consequently liable to alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.		
		Tuesday, August 26. <i>Weather</i> cold, cloudy, and unsettled, with some rain in several places. <i>Temperature</i> still lower over England than on Monday, the daily maxima being but little above 60°, except at our south coast stations, where they varied from 66° to 68°; inclined to rise a little in Ireland. <i>Wind</i> moderate; Westerly in Scotland and Ireland, Northerly over England, and North-Easterly in the west of France; subsequently shifting to south-west in Ireland, and falling very light. <i>Sea</i> slight on our own coasts; rather rough on the north coast of France. <i>Barometer</i> highest off our south-western coasts, but beginning to fall over the United Kingdom generally. High-pressure area in south-west moving very slowly to the southward, and becoming less clearly defined.	
		Wednesday, August 27. <i>Weather</i> becoming still more unsettled; rain falling subsequently in all parts of the Kingdom—heavily in many places. <i>Temperature</i> slightly lower than on 26th; maxima very low for the time of year. <i>Wind</i> extremely light and variable at first; afterwards becoming Westerly and South-westerly in the south, but South-Easterly in the north—force moderate. <i>Sea</i> smooth. <i>Barometer</i> highest over Bay of Biscay. Depression over Scandinavia, another off our north-west coasts, and subsidiary disturbance advancing north-eastwards from over the Bristol Channel. Scandinavian depression filling up later.	
		Thursday, August 28. <i>Weather</i> still in a showery changeable condition generally; rain still falling over our south-eastern counties at 8 a.m. <i>Temperature</i> recovering a little; maximum readings over England ranging from 65° to 68°, those in Scotland 55° to 58°. <i>Wind</i> moderate to strong; Westerly and South-Westerly over Ireland and England, South-Easterly in the north and over the North Sea. <i>Sea</i> rough except in the east. <i>Barometer</i> fallen generally—as much as 0.5 in. at Stornoway and 0.2 in. on our extreme south-western coasts. Anticyclone forming over Sweden in addition to that over northern Europe. Depression in north-west, and subsidiary arm, or hollow, in north-east.	
		Friday, August 29. <i>Weather</i> finer at first than of late; subsequently becoming showery again very generally, with lightning in the east. <i>Temperature</i> not materially changed; maxima over England ranging from 63° to 68°. <i>Wind</i> veering to West-North-West in Ireland and England; South-Westerly airs displacing the South-Easterly winds on our north-eastern coasts. <i>Sea</i> still rough in west and far north; moderating in the south, smooth in north-east and east. <i>Barometer</i> rising; yesterday's depressions passing away. The two high-pressure areas now well developed—one over Scandinavia the other over and to the westward of Spain.	

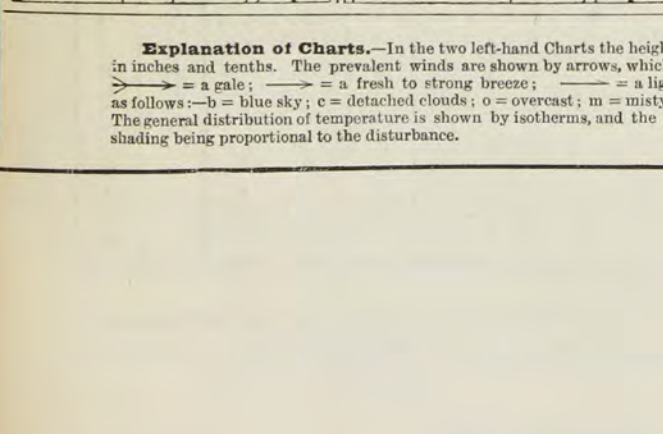
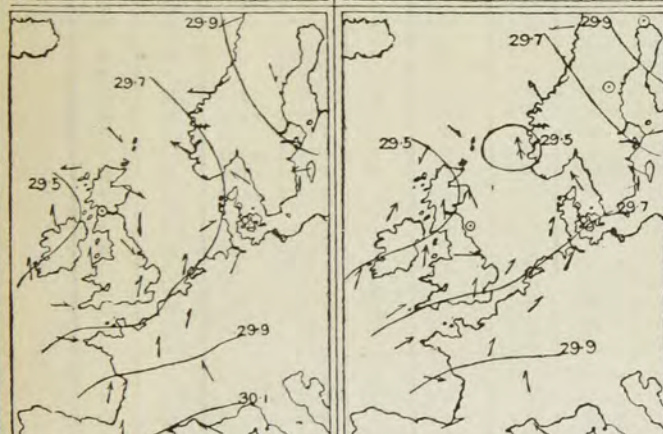
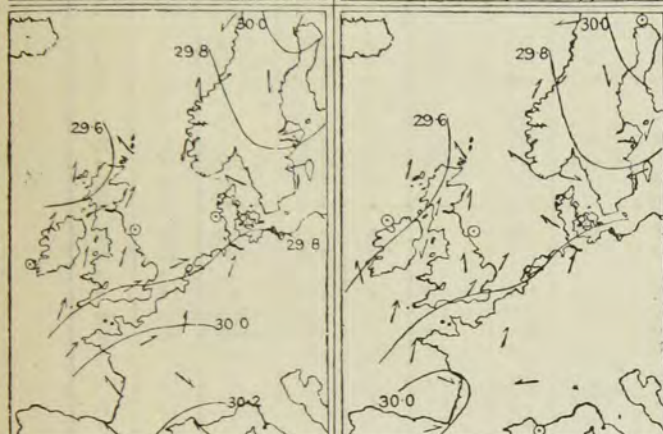
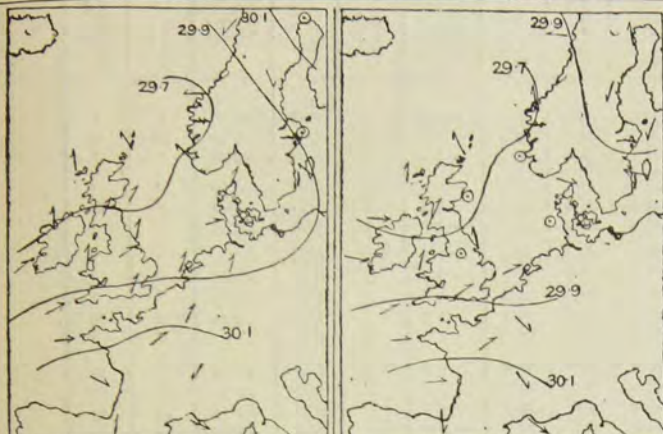
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding
8 a.m. on the dates given.

Saturday, August 30.

Weather somewhat improved in the north; showery and dull in the south.

Temperature very little changed.

Wind more moderate than of late except in the Channel; backing to west-south-west very generally.

Sea rough in the Channel, smooth in the north and east.

Barometer rising; yesterday's low-pressure systems almost dispersed, but some very shallow local disturbances appearing later, especially in the south.

Sunday, August 31.

Weather fair in Scotland, cloudy and showery elsewhere; lightning in the north at night. Rainfall heavy in many parts of England.

Temperature risen slightly, but the maximum temperature, even over England, remaining below 70°.

Wind Westerly and South-Westerly, strong in the Channel, light elsewhere; calm over Ireland.

Sea rough in the south, smooth elsewhere.

Barometer high both over northern and southern Europe; various shallow depressions appearing over our Islands and the Channel, keeping weather in a very changeable condition.

Monday, September 1.

Weather fine over our north-eastern counties, changeable and showery elsewhere, with bright intervals. Aurora in Scotland at night.

Temperature fallen somewhat; maxima over England 63° to 67°.

Wind Southerly and South-Westerly; still strong in the Channel, light elsewhere.

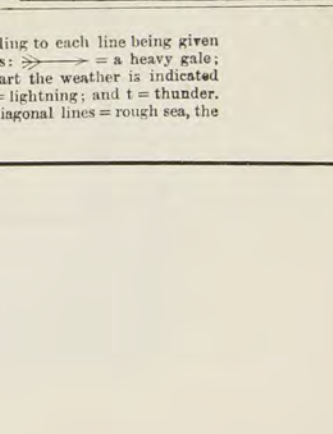
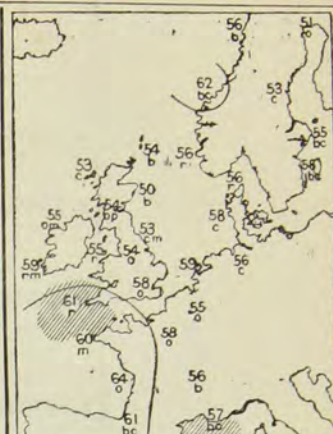
Sea continuing rough in the south.

Barometer falling generally at first; afterwards rising in the west and south. New depression in the north-west, and subsidiaries over England.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 137 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	60	41	57.3	45.4	51.0	- 2.3	3	0.48	- 0.34	*	*
	Stornoway	60	39	57.9	44.1	50.6	- 2.9	5	1.14	+ 0.23	23	29
	Wick	63	37	58.9	43.1	50.5	- 3.4	6	0.92	+ 0.32	*	*
1. SCOTLAND, E.	Nairn	62	40	59.4	46.1	53.4	- 2.5	5	0.39	- 0.30	*	*
	Aberdeen	63	40	59.7	44.6	51.7	- 3.3	5	1.24	+ 0.46	41	50
	Leith	65	44	61.4	47.1	53.8	- 2.7	7	0.23	- 0.37	*	*
2. ENGLAND, N.E.	Alnwick Castle	61	42	58.7	46.1	52.0	- 3.3	5	0.56	?	*	*
	Shields	62	42	60.0	47.0	53.1	- 2.9	2	0.19	- 0.41	*	*
	Scarborough	65	47	61.3	49.9	55.3	- 1.9	5	0.87	+ 0.22	*	*
	York	65	43	62.4	48.7	55.1	- 2.3	5	1.08	+ 0.44	17	20
	Spurn Head	65	49	61.6	52.0	56.5	- 1.2	4	0.55	?	*	*
3. ENGLAND, E.	Hillington	67	38	63.0	49.7	56.0	- 2.3	4	1.60	+ 1.00	16	20
	Yarmouth	66	44	62.6	51.4	56.7	- 3.0	7	0.80	+ 0.20	*	*
	Geldeston	67	41	64.1	50.2	56.7	- 2.7	6	0.81	+ 0.16	18	23
	Cambridge	68	43	64.7	49.6	56.7	- 3.4	7	0.97	+ 0.44	15	19
	Rothamsted	67	44	63.0	51.7	57.0	- 2.7	5	1.38	+ 0.75	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	68	44	63.6	49.1	55.9	- 2.5	4	1.07	+ 0.47	*	*
	Loughborough	67	43	62.6	50.7	56.3	- 2.6	5	1.24	+ 0.55	*	*
	Leicester	67	42	62.2	50.2	55.8	- 3.2	5	1.61	+ 0.93	14	17
	Birmingham (Oscott)	*	*	*	*	*	*	*	*	*	*	*
	Cheadle	64	42	59.7	47.7	53.3	- 4.8	5	2.17	?	*	*
	Churchstoke	66	41	61.2	48.1	54.3	- 3.8	7	1.46	?	26	32
	Hereford	70	41	64.6	49.4	56.5	- 2.9	5	1.62	+ 0.92	*	*
5. ENGLAND, S.	Cirencester	65	45	62.1	50.3	55.9	- 3.7	6	1.71	+ 0.91	20	25
	Oxford	66	45	64.1	51.3	57.3	- 2.8	6	1.23	+ 0.60	19	24
	London†	68	47	65.9	52.4	58.8	- 2.2	5	0.96	+ 0.48	16	19
	Marlborough	67	41	63.1	50.1	56.2	- 2.2	7	1.30	+ 0.50	20	25
	Strathfield Turgiss	67	46	65.0	52.9	58.6	- 1.3	6	1.08	?	*	*
6. SCOTLAND, W.	Dungeness	66	49	63.9	53.7	58.5	- 1.8	6	1.39	+ 0.76	18	22
	Hastings (St. Leonard's)	69	46	65.6	52.8	58.8	- 1.4	5	0.91	+ 0.21	25	31
	Hurst Castle	67	46	64.0	53.0	58.2	- 2.0	5	1.35	+ 0.68	*	*
	Laudale (Loch Sunart)	62	41	57.7	45.9	51.5	- 4.5	4	1.38	?	*	*
	Glasgow	60	41	57.6	45.6	51.2	- 4.5	6	1.08	+ 0.13	11	14
7. ENGLAND, N.W.	Ardrossan	64	41	59.1	48.3	53.4	- 2.6	6	?	?	*	*
	Silloth (Cumberland)	66	43	61.6	47.5	54.1	- 4.0	5	0.41	- 0.41	19	23
	Douglas (Isle of Man)	62	40	59.3	46.0	52.3	- 4.4	3	1.20	+ 0.40	27	33
	Newton Reigny (Penrith)	65	41	58.7	44.2	51.0	- 5.2	5	0.90	?	15	19
	Barrow-in-Furness	63	50	59.0	51.6	55.1	- 3.3	6	1.29	?	*	*
8. ENGLAND, S.W.	Stonyhurst	63	42	59.5	48.2	53.5	- 4.5	6	2.09	+ 0.92	19	23
	Blackpool	64	48	60.3	51.3	55.5	- 3.5	7	0.94	+ 0.25	19	24
	Manchester	64	41	58.5	48.3	53.1	- 5.7	7	2.20	+ 1.35	*	*
	Liverpool Obs. (Bidston)	68	47	61.9	51.0	56.1	- 2.9	6	2.24	+ 1.52	*	*
	Llandudno	60	50	62.6	52.1	57.0	- 2.5	6	0.90	+ 0.18	17	21
9. IRELAND, N.	Holyhead	63	50	60.3	52.0	55.9	- 2.8	7	0.78	+ 0.06	*	*
	Llandoverly	67	47	63.0	52.3	57.3	- 1.8	7	3.65	?	*	*
	Pembroke	62	51	60.3	54.3	57.1	- 0.1	6	1.44	+ 0.66	24	30
	Arlington (N. Devon)	62	42	60.3	50.2	55.0	- 3.0	7	4.04	?	*	*
	Cullompton	66	41	63.7	51.0	57.0	- 2.7	6	1.50	?	18	22
10. IRELAND, S.	Falmouth	66	51	63.7	54.4	58.8	- 1.1	6	1.48	+ 0.45	27	34
	Plymouth	66	46	65.3	53.9	59.3	- 1.6	6	1.15	+ 0.32	22	28
	Prawle Point	65	48	62.3	53.7	57.7	- 0.1	5	1.40	?	*	*
	Londonderry	63	45	60.2	47.5	53.5	- 3.0	7	0.94	+ 0.09	*	*
	Mullaghmore	61	49	59.4	50.4	55.6	- 2.1	7	1.43	?	*	*
CHANNEL ISLANDS	Markree Castle	64	43	59.9	46.4	52.8	- 4.6	6	1.09	+ 0.29	13	16
	Brookeborough	64	39	58.7	44.9	51.4	- 6.1	5	1.62	?	*	*
	Armagh	64	43	59.3	47.3	52.9	- 4.5	6	0.98	+ 0.33	15	19
	Donaghadee	62	40	59.9	45.9	52.3	- 4.2	6	1.48	+ 0.78	*	*
	Dublin	67	45	61.7	49.7	55.3	- 2.4	4	0.57	- 0.05	29	35
CHANNEL ISLANDS	Parsonstown	65	40	60.4	46.3	52.9	- 4.3	7	0.71	- 0.09	25	30
	Kilkenny (The Castle)	68	41	61.1	46.2	53.2	- 4.6	4	0.49	?	*	*
	Waterford	*	*	*	*	*	*	*	*	*	*	*
	Roche's Point	66	48	63.0	51.1	56.7	- 2.2	7	0.63	- 0.29	*	*
	Valencia	63	50	61.1	51.9	56.2	- 2.2	7	1.68	+ 0.58	16	20
CHANNEL ISLANDS	Foynes	63	47	57.9	49.3	53.3	- 4.3	6	0.69	?	*	*
	Scilly (St. Mary's)	67	53	63.3	55.1	59.0	- 1.6	7	1.61	+ 0.88	*	*
CHANNEL ISLANDS	Jersey (Noirmont)	67	51	63.4	55.4	59.2	- 2.4	6	1.15	+ 0.54	28	34

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 36.]
New Series.

WEEK ENDING MONDAY, 8TH SEPTEMBER, 1884.

[Price 4d.
[Annual subscription,
post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 29 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1868-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 144.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
Daily Maxima.	Daily Minima.			Daily Mean.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.			
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	65	37	58.0	45.1	51.2	2 below.	Day deg. 64	Day deg. 1494	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	67	37	62.6	44.5	53.1	2 below.	78	2012	0	380
	2. ENGLAND, N.E.	8	38	62.1	47.8	54.6	1 below.	88	2162	0	232
	3. ENGLAND, EAST	68	40	63.1	49.0	55.7	3 below.	96	2541	0	318
	4. MIDLAND COUNTIES *	69	38	63.5	47.5	55.2	3 below.	92	2397	0	322
	5. ENGLAND, SOUTH *	69	41	64.4	51.0	57.4	2 below.	108	2647	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	67	41	61.0	46.6	53.5	2 below.	81	2090	0	231
	7. ENGLAND, N.W. *	64	38	60.9	48.3	54.3	3 below.	86	2257	0	254
	8. ENGLAND, S.W.	67	41	62.2	50.4	56.0	2 below.	98	2500	0	105
	9. IRELAND, NORTH	66	33	59.9	45.6	52.4	4 below.	87	2178	0	241
	10. IRELAND, SOUTH	69	36	62.9	47.7	54.9	3 below.	90	2442	0	127
	— CHANNEL ISLANDS *	66	52	62.9	54.1	58.3	2 below.	114	2730	0	9
DISTRICTS. (See p. 144.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10ths of In. 8	10ths of In. 0 (average).	156	Ins. 24.3	40	942 †	42	26	
	1. SCOTLAND, EAST	2	5	2 less.	129	15.7	44	1030	47	30	
	2. ENGLAND, N.E.	4	8	1 more.	113	14.7	28	1002	30	28	
	3. ENGLAND, EAST	6	24	18 more.	110	14.7	27	1208	30	34	
	4. MIDLAND COUNTIES *	4	5	2 less.	111	16.9	28	1049	31	30	
	5. ENGLAND, SOUTH *	6	15	8 more.	113	17.3	29	1107	32	32	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	4	10	1 more.	152	50.8	49	978	52	27	
	7. ENGLAND, N.W. *	4	10	2 more.	126	22.6	38	1013	41	28	
	8. ENGLAND, S.W.	6	10	0 (average).	134	24.0	37	1204	40	34	
	9. IRELAND, NORTH	6	17	10 more.	131	26.9 ‡	27	845	29	24	
	10. IRELAND, SOUTH	5	7	2 less.	144	25.8	35	998	38	28	
	— CHANNEL ISLANDS *	5	4	4 less.	141	20.3	39	1482	43	46	

General Remarks.

Weather has remained cool and unsettled, with an unusually heavy rainfall in some parts of our eastern and south-eastern counties.

Temperature has been below the mean in all districts, the deficit varying from 1° in "England, N.E." to 4° in "Ireland, N." The maxima which were observed during the earlier part of the week in most of the wheat-producing districts, and during the latter part in the grazing districts varied between 69° and 66° in all localities excepting "Scotland, N." and "England, N.W.," where, respectively, they were 65° and 64°. The minima which were recorded between the 4th and the 6th ranged from 33° in "Ireland, S." and 37° in "Scotland, N." and "E." to 52° in the "Channel Islands."

Rainfall has corresponded with the average in "Scotland, N." and "England, S.W.," but in "Scotland, E.," "Midland Counties," "Ireland, S.," and the "Channel Islands" there has been a deficit, while in the remaining districts an excess is shown. This excess was considerable in "Ireland, N." but still more so in "England, E.," where the amount was equal to four times the average.

Bright sunshine has been rather deficient, the per-centage of possible duration varying from 24 in "Ireland, N." and 26 in "Scotland, N." to 46 in the "Channel Islands."

Depressions observed.—At the commencement of the week areas of relatively high pressure lay over northern Europe and the south of France, while shallow depressions skirted our extreme north-west coasts, and the wind in our islands was therefore South-Westerly and Southerly. During Wednesday and Thursday, however, a well-defined depression passed steadily across the north of France, the Netherlands, and the North Sea, so that the wind drew into North-West and North for a time, and blew strongly, first on the Norfolk and afterwards on the Scotch coast. On Saturday morning this depression passed away to the northwards, but later in the day another disturbance advanced in an east-north-easterly direction across Ireland and England, producing a fresh Westerly gale on our west and south coasts. By the close of the period this also had disappeared over the North Sea, and moderate westerly breezes were reported in most parts of our Islands.

* Returns incomplete; values consequently liable to alteration.

† This value has been altered a little owing to an error in the amount of sunshine at Stornoway.

‡ This value has been altered in consequence of an error in the rainfall at Brookeborough.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.		
		Tuesday, September 2. <i>Weather</i> somewhat similar to that of the 1st, but rainfall less heavy as a rule, and bright intervals more frequent; thunderstorms over the greater part of England during the day. <i>Temperature</i> rather low generally; the highest of the maxima varying from 65° to 68°. <i>Wind</i> South-Easterly and Southerly in the north, South-Westerly elsewhere; rather strong at first, but afterwards moderating generally. <i>Sea</i> rough in the south-west and south. <i>Barometer</i> rather low; falling in north, rising elsewhere. A depression off our north-western coasts moving northwards; very shallow subsidiary disturbances moving across England.	
		Wednesday, September 3. <i>Weather</i> fine generally except in the south-west and south, but not settled. Showers locally in the north and west during day; much rain in west of France, and sky becoming densely overcast over our south-eastern counties at night. <i>Temperature</i> little changed; maxima over England 65° to 69°. <i>Wind</i> falling light and becoming very variable; backing to East and North-East in the south at night, and freshening. <i>Sea</i> very little disturbed. <i>Barometer</i> still rising in the north in the rear of yesterday's depression; beginning to fall decidedly in south later on. Well marked depression advancing north-eastwards from the Bay of Biscay to France.	
		Thursday, September 4. <i>Weather</i> unusually rainy over all the south-eastern and home counties as well as in France and the Netherlands; fine and bright in the west and north. Clearing up in the south-east at night. <i>Temperature</i> low everywhere—maximum in London only 61°, minimum in following night 46°. <i>Wind</i> calm and variable in Scotland, North-Westerly in the west; North-Easterly to North-Westerly over England, and blowing strongly at times, but lulling at night. <i>Sea</i> very rough in east and south. <i>Barometer</i> falling at first; well formed depression over Belgium at 8 a.m.; moving north-north-eastwards later, and growing deeper as it moved.	
		Friday, September 5. <i>Weather</i> much improved in the south and east, dull and showery now in north of Scotland; heavy and continuous rains at Sumburgh Head. <i>Temperature</i> changing fitfully; the daily maxima over England rather higher than on the 4th, but the night cold. <i>Wind</i> calm in Ireland, Northerly and North-Westerly elsewhere; moderate generally; blowing strongly in Scotland, and afterwards backing slightly. <i>Sea</i> gone down generally. <i>Barometer</i> falling north, rising in south. Yesterday's depression found at the mouth of the Skager Rack at 8 a.m.; subsequently moving north-westwards towards the Shetlands.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

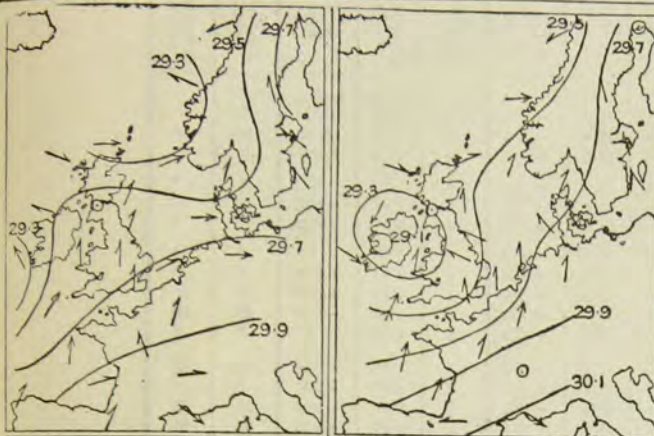
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, September 6.

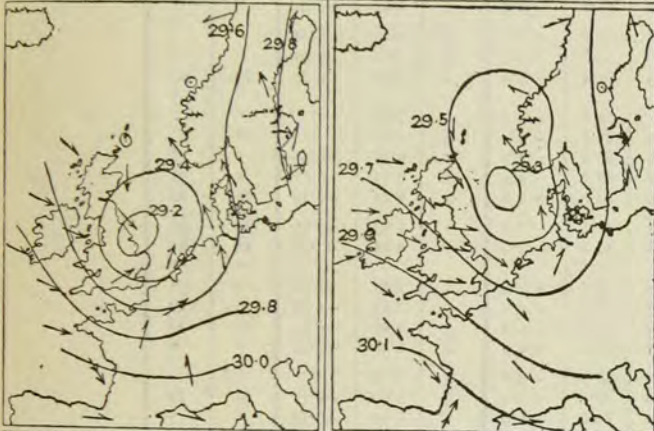
Weather very unsettled and changeable, improving in the north at first, but subsequently becoming unsettled everywhere; heavy rain falling in most places, especially in the north-west and west.

Temperature low generally; maxima below 65° except at York.

Wind back to West in far north, and subsiding somewhat. Strong South-Westerly and South-Easterly winds setting in on our western coasts, veering quickly. South-Westerly gales veering to West felt in both channels at night.

Sea high west and south.

Barometer beginning to rise in north, falling elsewhere. New depression advancing over our Islands from the Atlantic, and moving east-north-eastwards.



Sunday, September 7.

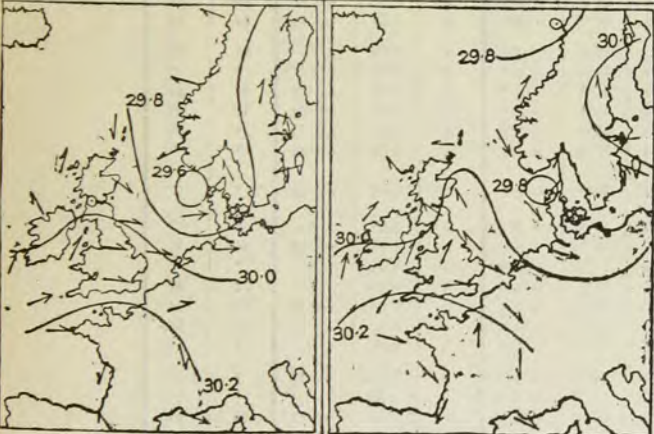
Weather very wet, changeable, and unsettled over England, but improving later on; fair generally in the west at first, but afterwards becoming showery.

Temperature remaining low over England, but rising locally to 67° at Leith and Hurst Castle during the day; maximum in London 63°.

Wind moderate to fresh from North-West and North in Scotland; strong North-Westerly gales over Irish Sea in morning and fresh Westerly gale in Channel. A moderate North-West gale felt on our north-east coasts later. Wind then lulling generally.

Sea rough or high in north-west, west, and south.

Barometer very unsteady. Depression off the Northumberland coast in morning, and subsequently moving north-eastwards towards Norway.



Monday, September 8.

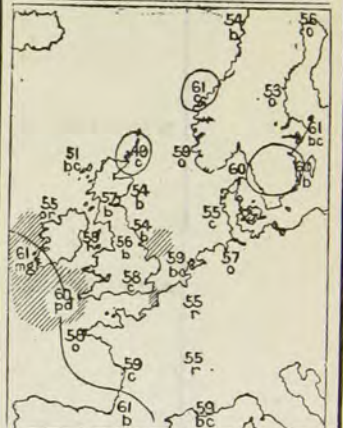
Weather much quieter than of late, but not settled; fine at first in north-east and east, but subsequently becoming rainy again in west, and somewhat showery in most places. Air close over England later on.

Temperature little changed; highest daily maxima varying from 63° to 66° in almost all districts.

Wind light from West over England, but backing to South-West and South in Ireland and Scotland, and to South-East at Mullaghmore, without much increase in force.

Sea rough in south-west, and for a time in north-east also.

Barometer rising. Two high pressure areas—one over northern Europe, the other over the Bay of Biscay. Yesterday's depression close to north-west coast of Denmark at 8 a.m., and beginning to travel to the south-eastward. Shallow low-pressure area apparently off our north-west coasts, but not advancing eastwards.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 141 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of pos- sible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	60	42	55.6	46.1	50.6	-1.9	4	1.82	+0.99	40	42
	Stornoway	61	40	58.1	45.0	51.2	-1.2	6	0.41	-0.53	40	42
	Wick	65	37	60.3	44.3	51.9	-1.4	4	0.13	-0.48	40	42
1. SCOTLAND, E.	Nairn	66	38	62.0	45.4	53.3	-0.7	0	—	-0.68	44	47
	Aberdeen	64	37	60.1	43.1	51.2	-3.1	4	0.62	-0.18	44	47
	Leith	67	40	65.7	45.0	54.9	-0.9	3	0.99	+0.39	44	47
2. ENGLAND, N.E.	Alnwick Castle	62	38	59.7	45.0	52.0	-2.6	3	1.29	?	28	30
	Shields	65	43	62.6	46.3	54.1	-1.3	5	0.86	+0.25	28	30
	Scarborough	66	47	62.7	49.1	55.6	-0.8	5	0.70	+0.01	28	30
	York	66	42	63.6	46.7	54.7	-1.9	3	0.52	-0.16	28	30
	Spurn Head	68	50	61.7	52.0	56.6	-0.3	3	0.44	?	28	30
3. ENGLAND, E.	Hillington	68	43	63.6	48.2	55.5	-2.0	5	1.75	+1.12	25	28
	Yarmouth	65	46	61.6	50.4	55.7	-3.2	7	4.15	+3.47	25	27
	Geldeston	67	44	63.5	50.0	56.4	-2.1	7	3.57	+2.97	25	27
	Cambridge	68	42	64.0	48.3	55.8	-3.5	5	1.14	+0.59	32	35
	Rothamsted	66	40	62.9	47.9	55.0	-3.7	5	1.32	+0.66	32	35
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	68	39	65.1	47.1	55.7	-1.9	5	0.55	-0.08	23	26
	Loughborough	68	42	64.0	47.9	55.6	-2.1	3	0.35	-0.35	23	26
	Leicester	69	44	64.5	48.4	56.1	-1.9	4	0.46	-0.22	23	26
	Birmingham (Oscott)	61	43	59.8	46.8	53.0	-3.8	5	0.73	?	23	26
	Cheadle	64	41	62.4	46.6	54.1	-2.9	3	0.43	?	33	36
	Churchstoke	69	41	65.5	47.1	55.9	-2.3	3	0.39	-0.36	33	36
	Hereford	65	38	62.6	45.9	53.9	-4.4	6	0.75	-0.09	26	28
	Cirencester	68	44	64.0	50.4	56.9	-2.0	3	0.55	-0.13	30	32
5. ENGLAND, S.	Oxford	69	43	64.7	50.1	57.1	-2.9	5	1.29	+0.71	20	22
	London†	65	41	63.5	47.3	55.0	-2.4	6	0.83	-0.03	32	35
	Marlborough	68	47	65.4	51.6	58.2	-1.3	5	1.78	+1.20	36	40
	Strathfield Turgiss	65	47	63.2	52.1	57.4	-2.0	5	2.37	+1.73	26	29
	Dungeness	68	46	65.2	50.7	57.6	-1.4	6	1.52	+0.78	36	40
	Hastings (St. Leonard's)	67	51	64.6	54.1	59.1	-0.2	7	1.16	+0.44	36	40
	Hurst Castle	63	42	58.8	47.4	52.8	-2.6	4	0.60	?	34	36
6. SCOTLAND, W.	Laudale (Loch Snart)	61	43	60.0	45.6	52.5	-2.4	5	0.83	-0.15	50	53
	Glasgow	62	44	60.6	48.9	54.5	-0.6	2	1.04	+0.10	48	51
	Ardrossan	67	41	64.3	46.4	54.9	-2.2	4	0.85	+0.01	48	51
	Silloth (Cumberland)	63	41	61.4	44.9	52.8	-2.7	4	1.57	+0.84	48	52
7. ENGLAND, N.W.	Douglas (Isle of Man)	61	41	60.2	44.5	52.0	-3.2	6	1.02	?	34	36
	Newton Reigny (Penrith)	62	47	61.4	50.4	55.6	-1.7	2	0.76	?	40	43
	Barrow-in-Furness	62	39	60.5	45.9	52.9	-3.9	6	1.61	+0.41	40	43
	Stonyhurst	63	38	61.2	47.5	54.0	-3.7	5	1.08	+0.29	40	43
	Blackpool	63	45	61.3	47.3	54.0	-3.7	4	1.09	+0.20	40	43
	Manchester	64	47	61.1	50.6	55.6	-2.7	5	1.05	+0.26	40	43
	Liverpool Obs [†] (Bidston)	62	48	60.4	52.0	56.0	-2.1	3	0.64	-0.12	40	43
	Llandudno	64	41	61.7	47.7	54.4	-3.7	7	1.36	?	44	48
8. ENGLAND, S.W.	Holyhead	61	50	59.7	52.7	56.0	0.0	5	2.03	+1.22	44	48
	Llandoverly	64	45	61.3	48.9	54.8	-2.4	5	1.08	?	42	46
	Pembroke	67	44	64.8	49.4	56.7	-2.3	5	0.25	?	42	46
	Arlington (N. Devon)	66	50	62.8	52.6	57.5	-1.8	5	0.66	-0.46	30	33
	Cullompton	65	43	63.7	50.0	56.5	-3.5	6	0.87	-0.06	30	33
	Falmouth	64	47	61.4	51.3	56.1	-1.0	6	0.67	?	30	33
9. IRELAND, N.	Prawle Point	62	41	60.9	46.3	53.3	-2.3	6	1.64	+0.77	26	28
	Londonderry	64	48	59.7	50.1	54.7	-2.1	6	1.92	?	26	28
	Mullaghmore	66	34	59.8	44.5	51.8	-4.8	6	1.60	+0.81	26	28
	Markree Castle	63	33	59.4	42.1	50.3	-6.3	6	1.57	?	26	28
	Brookeborough	63	44	59.4	45.5	52.1	-4.3	7	1.47	+0.79	27	29
10. IRELAND, S.	Armagh	63	41	60.4	44.0	52.3	-3.3	7	2.18	+1.48	39	43
	Donaghadee	67	45	62.8	48.0	55.0	-1.9	5	0.69	+0.08	44	47
	Dublin	67	37	61.7	44.0	52.4	-5.3	5	0.83	+0.03	34	37
	Parsonstown	67	37	62.0	46.0	53.6	-3.8	6	0.67	?	34	37
	Kilkenny (The Castle)	60	36	60.5	44.1	54.8	-2.4	5	0.63	-0.21	34	37
	Waterford	66	46	62.9	49.3	55.8	-2.1	5	0.59	-0.39	34	37
	Roches Point	64	47	61.3	50.9	55.9	-1.8	5	0.77	-0.36	27	29
CHANNEL ISLANDS	Valencia	69	45	63.3	51.3	57.0	-0.4	5	0.73	?	39	43
	Foynes	66	52	62.9	54.1	58.3	-1.7	5	0.39	-0.41	39	43
	Scilly (St. Mary's)	66	52	62.9	54.1	58.3	-1.7	5	0.39	-0.41	39	43
	Jersey (Noirmont)	66	52	62.9	54.1	58.3	-1.7	5	0.39	-0.41	39	43

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 37.]
New Series.

WEEK ENDING MONDAY, 15TH SEPTEMBER, 1884.

[Price 4d.
[Annual subscription,
post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 148.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	74	40	61.5	49.8	55.8	4 above.	Day deg. 95	Day deg. 1587	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	76	42	63.9	50.3	56.8	3 above.	104	2116	0	380
	2. ENGLAND, N.E.	75	48	63.1	53.2	57.8	3 above.	112	2274	0	232
	3. ENGLAND, EAST	77	47	69.6	54.7	61.9	5 above.	139	2680	0	318
	4. MIDLAND COUNTIES*	78	46	69.9	54.0	61.6	5 above.	137	2634	0	322
	5. ENGLAND, SOUTH	76	46	70.5	55.3	62.5	5 above.	144	2791	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	71	48	66.3	53.7	59.7	5 above.	124	2214	0	231
	7. ENGLAND, N.W.†	74	39	67.9	54.0	60.6	5 above.	130	2388	0	254
	8. ENGLAND, S.W.	72	51	67.8	55.9	61.5	5 above.	137	2637	0	105
	9. IRELAND, NORTH	74	44	66.7	53.3	59.6	5 above.	123	2301	0	241
	10. IRELAND, SOUTH	76	46	67.9	53.8	60.5	4 above.	130	2572	0	127
	— CHANNEL ISLANDS	67	54	64.9	56.6	60.4	1 above.	129	2859	0	9

DISTRICTS. (See p. 148.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	1	10ths of In. less than ½	10ths of In. 8 less.	157	Ins. 24.3	42	984	47	27
	1. SCOTLAND, EAST	2	1	6 less.	131	15.8	28	1058	31	30
	2. ENGLAND, N.E.	1	less than ½	7 less.	114	14.7	34	1036	38	28
	3. ENGLAND, EAST	1	1	6 less.	111	14.8	51	1259	56	35
	4. MIDLAND COUNTIES*	2	3	5 less.	113	17.2	25	1074	28	30
	5. ENGLAND, SOUTH	2	1	6, less.	115	17.4	31	1138	35	32
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	2	3	6 less.	154	51.3 ‡	31	1009	34	27
	7. ENGLAND, N.W.†	2	3	6 less.	129	22.9	35	1047	39	28
	8. ENGLAND, S.W.	3	5	5 less.	137	24.5	41	1245	46	34
	9. IRELAND, NORTH	1	1	7 less.	132	27.0	30	875	34	24
	10. IRELAND, SOUTH	2	3	6 less.	146	26.1	33	1031	38	29
	— CHANNEL ISLANDS	2	3	5 less.	143	20.6	51	1533	58	46

General Remarks.

Weather has been generally fine over the whole Kingdom, though some wet fog or mist has prevailed at many of our stations, especially in the north. Over central and eastern England some very heavy dews have occurred.

Temperature has been above the mean in all places, the excess varying from 1° in the "Channel Islands" to 5° in nearly all the English districts, as well as in "Ireland, N." and "Scotland, W." The maxima, which were recorded on the 13th or 15th, were as high as 78° in the "Midland Counties", 77° in "England, E.", 76° in "Scotland, E.", "England, S.", and "Ireland, S.", and between 71° and 75° in most other districts. The minima, which were registered on different days in various parts of the country, ranged from 39° in "England, N.W." and 40° in "Scotland, N." to 51° in "England, S.W." and 54° in the "Channel Islands".

Rainfall has been considerably less than the mean in all districts.

Bright sunshine has been more prevalent than it was during last week, the percentages of possible duration ranging from 28 in the "Midland Counties" to 56 in "England, E." and 58 in the "Channel Islands".

Depressions observed.—Beyond a disturbance noticed off our north-west coasts at the commencement of the period and another travelling northwards towards our south-west coasts at the end of the week, no depressions have been observed in our neighbourhood. At first, two areas of high pressure were shown, one over Sweden and the other over the west of France and the Bay of Biscay; as the week progressed, however, these united and gradually formed a well defined anticyclone over Norway, the north-eastern parts of our Islands, and the northern part of the North Sea. The wind was light from between South and West during the first few days, but subsequently became moderate or fresh from the Eastward or North-Eastward.

* Returns incomplete; values consequently liable to alteration.

† The accumulated values (since January 1st) in this district have been altered a little owing to the receipt of some arrears of observations.

‡ This value has been altered slightly in consequence of an error in the Ardrossan rainfall.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, September 9. <i>Weather</i> fine in Denmark, France, and the south of Scandinavia, but cloudy elsewhere, with rain at some western stations. <i>Temperature</i> risen in our Islands but fallen on the Continent; readings ranging from 64° at Nairn, and 63° at Loughborough, Mullaghmore, Donaghadee, and Cambridge, to 53° in the Shetlands. Maximum readings over England and Ireland varying between 65° and 70°. <i>Wind</i> moderate or fresh South-Westerly on our western and northern coasts, but light Westerly in the south-east, Northerly in Denmark, and Easterly in the west of France. <i>Sea</i> rough on our south-west coasts. <i>Barometer</i> rising at all but the French stations. Pressure varying from above 30.3 ins. in the west of France and 30.1 ins. over Sweden to 29.9 ins. over North Germany and our north-west coasts. Readings subsequently becoming highest in Sweden.	
		Wednesday, September 10. <i>Weather</i> cloudy in most places, with fog or haze in many parts of Great Britain and rain at Oxford. Sky clearing later at all the more southern stations. <i>Temperature</i> fallen slightly; readings varying from 64° at Nairn and 63° at Hurst Castle to 55° at Sumburgh Head and Parsonstown. Maxima over England ranging between 65° and 71°, but thermometer at Nairn rising to 75°. <i>Wind</i> light or moderate from East or North-East at our southern and the French stations, but South-Easterly or Southerly elsewhere. <i>Sea</i> rough on our south-west coasts. <i>Barometer</i> still rising at all but the French and a few of our south-western stations. Anticyclone, with readings above 30.4 ins., lying over the south of Sweden, and relatively low pressures over the south of France and also off our western coasts.	
		Thursday, September 11. <i>Weather</i> fair generally, but foggy or hazy in many parts of our Islands. Fog clearing later. <i>Temperature</i> fallen a little in most places; readings ranging from 62° at Nairn and Yarmouth to 53° at Parsonstown. Thermometer subsequently rising to 76° at Nairn, 74° at Wick, and to between 70° and 73° over central England. <i>Wind</i> Easterly or North-Easterly at our southern and the French stations, but South-Easterly or Southerly elsewhere; light or moderate in force generally. <i>Sea</i> slight or smooth. <i>Barometer</i> rising generally. Distribution of pressure similar to that of Wednesday, but readings rather more uniform. No important change later.	
		Friday, September 12. <i>Weather</i> fair generally, but fog or mist again prevailing in many parts of our Islands. Fog clearing later, and weather becoming very fine. <i>Temperature</i> fallen a little on our western and northern coasts, but scarcely changed elsewhere; readings ranging from 62° at Yarmouth and Jersey to 50° at Parsonstown. Maxima over central and southern England varying between 70° and 73°. <i>Wind</i> Easterly or North-Easterly at our eastern, southern, and the French stations, but South-Easterly or Southerly elsewhere; light or moderate in force generally. <i>Sea</i> moderate to smooth. <i>Barometer</i> rising in nearly all places. No important change shown in the general distribution of pressure, but central portion of anticyclone now lying over Denmark and the North Sea. Slight fall subsequently setting in at most stations.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

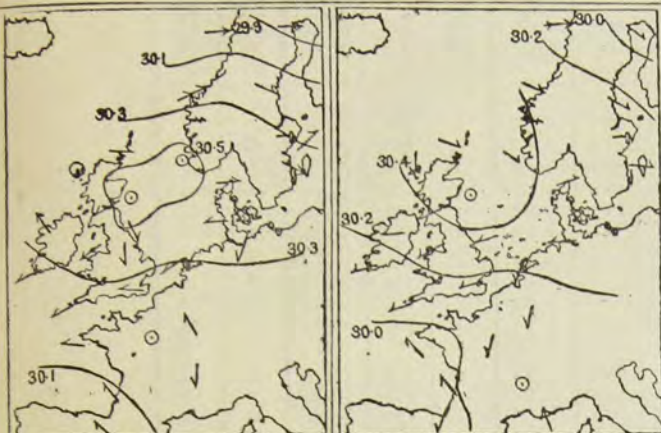
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, September 13.

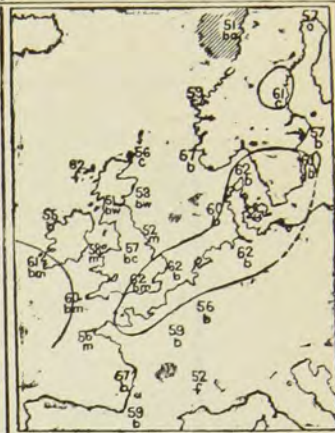
Weather fine generally, but still foggy or misty in many parts of our Islands. Fog continuing in Scotland nearly all day.

Temperature changed little and irregularly; readings ranging from 63° at Barrow-in-Furness, and 62° in London and at Cambridge, to 50° at Leith. Highest maxima 77° at Loughborough, 75° in London, and 74° at York, Oxford, and Cambridge.

Wind Westerly or North-Westerly in Scandinavia, but Easterly or North-Easterly over the greater parts of our Islands and France.

Sea calm off the north and east of Scotland; moderate to smooth elsewhere.

Barometer falling at all but the Scotch stations, most in Scandinavia. Central portion of anticyclone now lying between the east of Scotland and south of Norway, but surrounding gradients far more decided than on previous two days. Recovery of pressure taking place in north of Scandinavia later.



Sunday, September 14.

Weather foggy in Scotland, and cloudy on our south-west coasts, but fair or fine elsewhere.

Temperature risen slightly in France and the south-west of our Islands; readings ranging from 63° at Yarmouth and Jersey to 48° at Aberdeen. Maxima over central England ranging between 70° and 73°.

Wind North-Westerly in Scandinavia, but generally Easterly in our Islands and France; strong in force at some of our north-western stations, but moderate elsewhere.

Sea moderate or slight.

Barometer falling generally. Anticyclone, with readings above 30.4 inches, lying off the north-east of Scotland, and relatively low pressures over Spain and the north of Scandinavia. No important change later.



Monday, September 15.

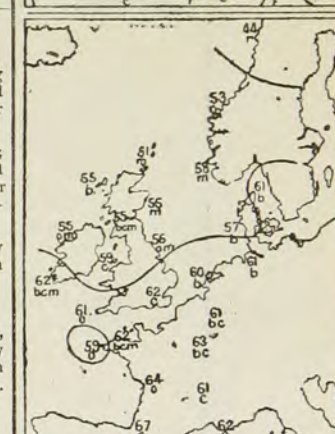
Weather cloudy in most places, with mist and drizzling rain at some of the northern stations. Thunder and lightning occurring in the south-west during latter part of the day.

Temperature risen in Scotland, little changed elsewhere; readings ranging from 63° at Hurst Castle and Yarmouth to 51° in the Shetlands. Thermometer subsequently rising to 76° in London, 77° at Cambridge, and 78° at Loughborough.

Wind South-Easterly in the west of France, but Easterly or North-Easterly elsewhere, light or moderate in force generally.

Sea moderate to smooth.

Barometer rising a little on eastern shore of North Sea, but falling elsewhere. Anticyclone lying over Norway and the northern part of the German Ocean, with large area of low pressure over the Bay of Biscay. Latter system afterwards moving slowly northwards.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn lying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 145 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	59	40	57.0	48.7	52.7	+ 1.1	3	0.06	-0.76	*	*
	Stornoway	66	46	64.0	51.1	57.2	+ 5.8	0	0.015	-0.96	42	47
	Wick	74	42	63.4	49.7	56.1	+ 3.9	1	0.02	-0.61	*	*
1. SCOTLAND, E.	Nairn	76	43	68.7	50.3	59.1	+ 6.1	1	0.02	-0.65	*	*
	Aberdeen	68	42	63.0	49.0	55.7	+ 2.6	1	0.07	-0.73	28	31
	Leith	67	48	59.9	51.7	55.6	+ 1.0	3	0.06	-0.54	*	*
2. ENGLAND, N.E.	Alnwick Castle	67	48	60.0	51.7	55.7	+ 2.1	1	0.03	?	*	*
	Shields	67	50	61.0	52.3	56.4	+ 2.2	2	0.03	-0.58	*	*
	Scarborough	65	53	62.0	53.8	57.2	+ 1.9	3	0.08	-0.62	*	*
	York	75	49	70.7	53.0	61.4	+ 5.8	1	0.02	-0.71	34	38
	Spurn Head	63	52	61.6	55.0	58.1	+ 2.2	0	—	?	*	*
3. ENGLAND, E.	Hillington	77	50	72.6	54.4	63.1	+ 7.0	2	0.04	-0.60	48	54
	Yarmouth	68	54	64.6	58.1	61.2	+ 3.7	0	0.015	-0.69	*	*
	Geldeston	73	48	67.8	54.6	60.9	+ 3.5	1	0.11	-0.61	59	66
	Cambridge	77	47	72.4	52.7	62.3	+ 4.0	2	0.16	-0.41	43	48
	Rothamsted	75	49	70.8	53.7	61.8	+ 4.5	2	0.135	-0.57	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	77	48	71.3	53.6	62.0	+ 5.6	2	0.07	-0.60	*	*
	Loughborough	78	48	72.3	54.7	63.1	+ 6.7	2	0.36	-0.39	*	*
	Leicester	77	50	71.9	54.7	62.9	+ 6.6	2	0.24	-0.46	23	26
	Birmingham (Oscott)	—	—	—	—	—	—	—	—	—	*	*
	Cheadle	72	46	67.7	52.8	59.9	+ 4.6	1	0.80	?	*	*
	Churchstoke	71	50	68.4	53.6	60.6	+ 5.0	2	0.39	?	28	31
	Hereford	73	47	69.9	53.5	61.3	+ 4.6	2	0.09	-0.71	*	*
	Cirencester	71	49	68.0	53.7	60.5	+ 3.5	1	0.08	-0.77	19	21
5. ENGLAND, S.	Oxford	74	49	70.0	55.0	62.1	+ 4.8	2	0.19	-0.61	31	35
	Londont	76	54	72.6	56.7	64.3	+ 5.6	2	0.06	-0.54	51	55
	Marlborough	72	51	68.4	54.1	60.9	+ 4.9	3	0.10	-0.79	21	24
	Strathfield Turgiss	74	46	70.2	52.0	60.7	+ 2.9	1	0.24	-0.43	*	*
	Dungeness	—	—	—	—	—	—	—	—	—	*	*
	Hastings (St. Leonard's)	75	56	71.7	58.1	64.6	+ 6.4	1	0.04	-0.63	40	45
	Southampton	75	51	71.1	55.3	62.8	+ 5.3	2	0.07	-0.72	32	36
	Hurst Castle	71	51	68.9	55.6	61.9	+ 4.0	2	0.31	-0.48	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	71	48	68.6	53.8	60.8	+ 6.4	1	0.04	?	*	*
	Glasgow	68	48	64.0	52.9	58.2	+ 4.0	2	0.08	-0.92	21	23
	Ardrossan	70	49	64.7	53.0	58.6	+ 4.8	2	0.11	-0.84	*	*
	Silloth (Cumberland)	69	48	67.0	53.5	59.9	+ 3.9	3	0.14	-0.72	36	40
	Douglas (Isle of Man)	71	51	67.4	55.3	61.1	+ 7.1	3	0.89	+0.20	36	40
7. ENGLAND, N.W.	Newton Reigny (Penrith)	70	39	68.5	47.6	57.6	+ 3.7	0	—	?	42	47
	Barrow-in-Furness	74	53	69.4	54.4	61.5	+ 5.8	2	0.22	?	*	*
	Stonyhurst	70	50	67.2	53.9	60.2	+ 5.0	2	0.47	-0.74	35	39
	Blackpool	72	48	69.0	53.5	60.9	+ 4.8	2	0.39	-0.51	36	40
	Manchester	71	52	68.6	54.4	61.2	+ 5.0	2	0.61	-0.31	*	*
	Liverpool Obs [†] (Bidston)	71	52	69.4	55.1	61.9	+ 4.8	2	0.52	-0.34	*	*
	Llandudno	69	54	65.7	57.0	61.1	+ 3.3	3	0.19	-0.64	25	28
	Holyhead	67	54	65.7	56.1	60.7	+ 3.3	2	0.23	-0.56	*	*
8. ENGLAND, S.W.	Llandovery	72	52	69.1	57.3	62.9	+ 5.5	4	0.30	?	*	*
	Pembroke	68	55	65.1	57.0	60.9	+ 5.9	3	0.21	-0.65	44	49
	Arlington (N. Devon)	70	51	67.6	54.3	60.6	+ 4.5	4	0.56	?	*	*
	Cullompton	72	51	69.8	53.5	61.3	+ 3.6	2	0.52	?	32	36
	Falmouth	67	54	65.6	56.7	60.9	+ 3.4	2	1.37	+0.17	41	47
	Plymouth	72	53	69.4	55.8	62.3	+ 3.4	3	0.53	-0.47	46	52
	Prawle Point	71	55	67.7	56.6	61.9	+ 5.9	2	0.15	?	*	*
9. IRELAND, N.	Londonderry	74	46	70.6	52.1	60.9	+ 5.4	0	—	-0.89	*	*
	Mullaghmore	69	53	65.1	56.0	60.3	+ 5.6	0	—	?	*	*
	Markree Castle	72	45	66.6	53.6	59.8	+ 5.2	1	0.03	-0.75	21	24
	Brookeborough	71	58	66.9	52.1	59.1	+ 4.6	0	—	?	*	*
	Armagh	70	49	66.1	53.3	59.4	+ 5.0	2	0.19	-0.51	39	44
	Donaghadee	70	44	64.9	52.6	58.3	+ 3.8	2	0.13	-0.57	*	*
10. IRELAND, S.	Dublin	74	51	66.4	56.5	61.2	+ 5.6	1	0.27	-0.33	32	36
	Parsonstown	71	48	69.0	52.0	60.1	+ 3.3	2	0.12	-0.69	39	44
	Kilkenny (The Castle)	76	46	69.1	51.9	60.1	+ 3.8	2	0.30	?	*	*
	Waterford	72	48	68.2	53.2	60.3	+ 4.2	2	0.34	-0.57	*	*
	Roche's Point	69	53	66.4	56.0	61.0	+ 4.5	3	0.12	-0.98	*	*
	Valencia	72	51	66.4	55.3	60.6	+ 3.8	3	0.38	-0.76	29	33
	Foynes	72	47	69.6	51.6	60.2	+ 3.6	1	0.16	?	*	*
CHANNEL ISLANDS	Sceilly (St. Mary's)	67	54	54.9	56.6	60.4	+ 1.4	2	0.34	-0.53	*	*
	Jersey (Noirmont)	—	—	—	—	—	—	—	—	—	51	58

Stations marked fr are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

§ Chiefly dew.

ERRATA.—The total rainfall at Ardrossan for the week ending August 18th should be "2.42" and the difference from the mean "+1.50." The lowest temperature observed at Newton Reigny for the week ending September 8th should be "33°", the average of the minima "48° 0'", the average for the week "51° 2'", and the difference from the mean "-4° 0'."

NOTE.—The observations at Dungeness are interrupted for the present.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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New Series.

WEEK ENDING MONDAY, 22ND SEPTEMBER, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 152.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
Daily Maxima.	Daily Minima.			Daily Mean.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.			
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	65	42	59.1	49.3	54.0	3 above.	Day deg. 84	Day deg. 1671	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	70	44	63.5	50.5	56.7	4 above.	103	2219	0	380
	2. ENGLAND, N.E.	78	44	65.3	52.4	58.5	5 above.	116	2390	0	282
	3. ENGLAND, EAST	81	47	70.4	54.7	62.2	6 above.	141	2821	0	318
	4. MIDLAND COUNTIES*	84	42	70.0	52.3	60.8	6 above.	132	2666	0	322
	5. ENGLAND, SOUTH	83	44	72.0	56.0	63.6	7 above.	151	2942	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	73	45	64.5	51.8	57.8	5 above.	111	2325	0	231
	7. ENGLAND, N.W.	74	42	67.1	54.1	60.0	5 above.	126	2514	0	254
	8. ENGLAND, S.W.	77	43	69.4	56.4	62.0	6 above.	140	2777	0	105
	9. IRELAND, NORTH	75	41	65.2	50.9	57.7	4 above.	110	2411	0	241
	10. IRELAND, SOUTH	76	42	66.4	52.7	59.2	4 above.	120	2695 †	0	127
	— CHANNEL ISLANDS	77	50	67.9	58.0	62.7	4 above.	145	3004	0	9
DISTRICTS. (See p. 152.)		Rainfall.				Bright Sunshine.					
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10ths of In. 7	10ths of In. 2 less.	162	Ins. 25.0	13	997	15	26	
	1. SCOTLAND, EAST	3	2	5 less.	134	16.0	18	1076	21	30	
	2. ENGLAND, N.E.	1	3	4 less.	115	15.0	28	1064	33	28	
	3. ENGLAND, EAST	1	3	4 less.	112	15.1	43	1302	49	35	
	4. MIDLAND COUNTIES*	2	3	4 less.	115	17.5	40	1114	47	30	
	5. ENGLAND, SOUTH	2	1	6 less.	117	17.5	48	1186	56	33	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	3	4	7 less.	156	32.8	23	1032	27	27	
	7. ENGLAND, N.W.	3	6	3 less.	132	23.5	34	1081	40	29	
	8. ENGLAND, S.W.	3	5	6 less.	140	25.0	43	1288	50	34	
	9. IRELAND, NORTH	3	4	4 less.	135	27.4	28	903	33	24	
	10. IRELAND, SOUTH	2	3	6 less.	148	26.4	36	1067	42	29	
	— CHANNEL ISLANDS	4	7	2 less.	147	21.3	54	1587	63	47	

General Remarks.

Weather was very fine and warm during the greater part of this period (except in the extreme north), but towards its close conditions became unsettled, showery, and colder, while at some of the English stations smart thunderstorms were experienced.

Temperature has been above the mean in all districts, the excess varying from 3° in "Scotland, N." to 5° or 6° in most other parts of Great Britain, and to as much as 7° in "England, S." The maxima, which were registered on various dates in Ireland and Scotland, and on the 17th or 18th at almost all the English stations, ranged from 65° in "Scotland, N." and 70° in "Scotland, E.", to between 81° and 84° over eastern, central, and southern England. The minima were very generally recorded on the 22nd, and varied from 41° in "Ireland, N." to 47° in "England, E." and to 50° in the "Channel Islands".

Rainfall has been less than the mean in all districts.

Bright sunshine has been less prevalent than it was last week in the north, but more so in most other districts, the percentages of possible

duration ranging from 63 in the "Channel Islands" and 56 in "England, S.", to 21 in "Scotland, E." and 15 in "Scotland, N."

Depressions observed.—As the week commenced a large area of high pressure lay over Denmark and Scandinavia, while a depression was moving away north-westwards over the south of Ireland, producing fresh South-Easterly winds in the south-west, and light Easterly breezes elsewhere. By the following morning this disturbance had disappeared, the high pressure area in the north-east was breaking up, and an anticyclone, which subsequently travelled slowly east-south-eastwards to North Germany, was being formed over Ireland. Towards the close of the week the mercury fell decidedly in the west and north-west, and depressions began to move north-eastwards outside our north-western coasts and some subsidiary disturbances in a similar direction over Ireland and England. The wind, which during the passage of the anticyclone over our Islands was light and variable, consequently became Southerly to Westerly in direction, and on some parts of our western and northern coasts blew freshly or strongly.

* Returns incomplete; values consequently liable to alteration.

† This value has been altered slightly owing to some errors in the observations from Dublin.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, September 16. <i>Weather</i> foggy in Scotland and the north-east of England, and rainy at several of our western stations, but fine elsewhere. Fog clearing later in the north. <i>Temperature</i> risen slightly in most places; readings ranging from 68° in London to 50° in the Shetlands. Thermometer subsequently rising to 76° at Loughborough and Hurst Castle, and 77° in London and at Cambridge. <i>Wind</i> light and variable in Scandinavia, but South-Easterly or Easterly elsewhere; strong on our south-west coasts. <i>Sea</i> rough in the south-west. <i>Barometer</i> falling in the west and north of our Islands, but rising elsewhere. Large area of high pressure lying over Scandinavia and Denmark, with depression off the south of Ireland. Depression subsequently moving north-westwards, and barometer rising in west.	
		Wednesday, September 17. <i>Weather</i> fair generally, but with fog or haze in many parts of England. Fog clearing later. <i>Temperature</i> changed little and irregularly; readings ranging from 67° in London to 54° at Sumburgh Head, Nairn, and Leith. Thermometer subsequently rising to 81° at Oxford and Cambridge, 83° in London, and 84° at Loughborough. <i>Wind</i> moderate North-Westerly in Scandinavia, and varying between South-East and North-East on our southern coasts, but light airs prevailing in the north of our Islands. <i>Sea</i> moderate to smooth. <i>Barometer</i> rising at all but the Scandinavian stations. Area of high pressure lying over Denmark, Germany, and the east of France, but readings over our Islands very uniform. Area of high pressure to the eastward of us subsequently giving way, but anticyclone appearing over our western coasts.	
		Thursday, September 18. <i>Weather</i> fine generally, but with fog in the north-west of our Islands, and mist in the east and south. Fog clearing later. <i>Temperature</i> fallen at the majority of our stations; readings ranging from 66° in London to 47° at Parsonstown. Highest maxima 81° in London, 77° at Loughborough and Oxford, and 76° at York and Hurst Castle. <i>Wind</i> Westerly in Scotland and North-Westerly on eastern shores of North Sea, but North-Easterly or Easterly at our southern and the French stations. Light or moderate in force generally. <i>Sea</i> smooth on all coasts. <i>Barometer</i> falling a little on eastern shores of North Sea, but rising elsewhere. Anticyclone lying over Scotland, Ireland, and the north of England, with areas of relatively low readings off the north-west of Norway and north of Spain. Slight fall taking place generally later.	
		Friday, September 19. <i>Weather</i> dull in Scandinavia and foggy or misty over our Islands, but fine and bright in France. Fog and mist dispersing later in day, but appearing again at night. <i>Temperature</i> fallen several degrees over Great Britain, but risen elsewhere; readings ranging from 64° at Valencia, Scilly, and Prawle Point to 48° at Nairn. Highest maxima 76° at Parsonstown, 74° at Mullaghmore, and 72° at Holyhead; thermometer in London not exceeding 69°. <i>Wind</i> moderate North-Westerly in Scandinavia and Denmark, but North-Easterly in the south-east of England and Easterly or South-Easterly elsewhere. Subsequently backing to South on our northern coasts. <i>Sea</i> slight or smooth generally. <i>Barometer</i> falling at all stations. Anticyclone of previous day now lying over the eastern parts of Great Britain. Fall continuing all day, and depression appearing off our north-west coasts in evening.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, September 20.

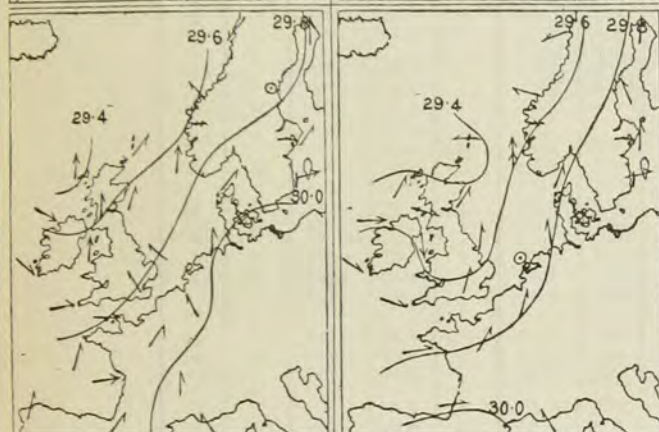
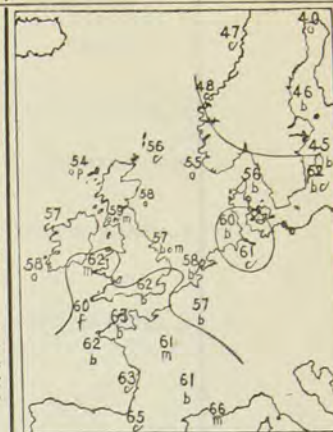
Weather dull in Ireland and Scotland, but fine elsewhere, with, however, fog or mist in many parts of England and France. Thunder and lightning occurring in south-west at night.

Temperature risen several degrees in Scotland and slightly at several of the English stations, but fallen elsewhere; readings ranging from 63° at Jersey and 62° at Holyhead and in London to 50° at Loughborough. Highest maxima 73° at Loughborough and Cambridge and 72° in London and at Oxford.

Wind still North-Westerly in Sweden and Denmark and Easterly at our southern and the French stations, but South-Westerly in Scotland and the north of Ireland; light or moderate in force generally.

Sea moderate to smooth.

Barometer falling at all but the Swedish stations. Anticyclone now found over the Netherlands, and depression of previous evening passing away to the northward of Scotland. New depression approaching our western coasts later, and barometer continuing to fall generally.



Sunday, September 21.

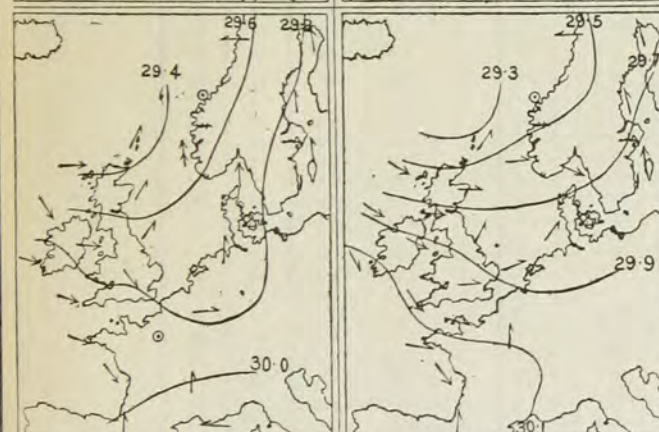
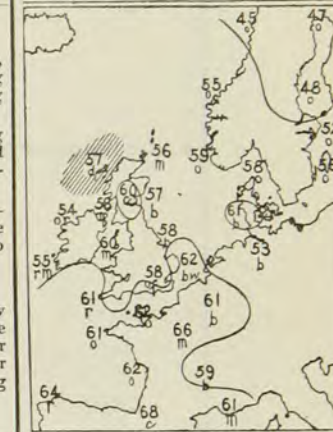
Weather cloudy at all but a few of our eastern stations, with rain in the west and north-west. Sky clearing later in west of Ireland, but thunderstorms occurring in many parts of England.

Temperature risen a little in most places; readings ranging from 62° at Leith, Hurst Castle, Yarmouth, and Jersey to 53° at York. Highest maxima 72° at Cambridge and 71° in London and at Yarmouth.

Wind North-Westerly in the west of England, but South-Westerly or Southerly elsewhere; light or moderate in force in most places. Subsequently veering to North-West in west of England.

Sea rough at Stornoway; moderate to smooth elsewhere.

Barometer falling generally. Highest readings now reported from the south-east of France, with large depression off the north-west of Scotland and smaller disturbance over the St. George's Channel. Latter subsequently moving eastward, and barometer rising in extreme west.



Monday, September 22.

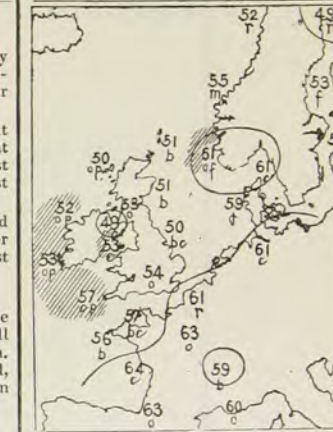
Weather rainy in the north of Scandinavia, and showery on our extreme western coasts, but fair or fine elsewhere. Showers falling later in most parts of our islands.

Temperature fallen several degrees in our islands, but risen in Scandinavia; readings varying from 57° at Scilly and Jersey to 49° at Donaghadee. Highest maxima 66° at Scilly, 65° in London, and 64° at Hurst Castle.

Wind fresh or strong North-Westerly at our western and southern stations, but moderate South-Westerly or Southerly elsewhere. Subsequently veering to West in north and east.

Sea rough on our west and south-west coasts.

Barometer rising a little at our western, southern, and the French stations, but falling elsewhere. Pressure still highest in France, but relatively high in Sweden. Large area of low pressure to northward of Scotland, with shallow subsidiary disturbance over southern part of North Sea.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

ERRATA.—For SCOTLAND WEST, the values given for "Total fall" of rain "Since Jan. 1," should be—

		Inches.			Inches.
For Week ending on May 19	"	21.1	For Week ending on July 21	"	26.6
" "	"	21.2	" "	"	27.6
" "	June 2	21.4	" "	Aug. 4	27.9
" "	"	21.5	" "	"	28.3
" "	"	21.7	" "	"	29.8
" "	"	21.8	" "	"	30.1
" "	"	22.1	" "	Sept. 1	31.1
" "	July 7	23.7	" "	"	32.1
" "	"	25.7	" "	"	32.4
" "	"		" "	15	

In this week's report the correct value is given.

III.—DATA from which the SUMMARY on page 149 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	59	47	57.0	49.3	53.0	+ 2.4	6	0.94	+0.10	*	*
	Stornoway	65	42	59.9	40.3	54.4	+ 4.1	5	0.78	-0.22	13	15
	Wick	64	45	60.4	49.3	54.6	+ 3.6	3	0.32	-0.34	*	*
1. SCOTLAND, E.	Nairn	68	44	64.1	40.0	56.2	+ 4.4	3	0.08	-0.57	*	*
	Aberdeen	70	44	63.7	50.7	56.9	+ 5.1	2	0.34	-0.43	18	21
	Leith	68	47	62.7	51.7	56.9	+ 3.8	3	0.07	-0.53	*	*
2. ENGLAND, N.E.	Alnwick Castle	68	44	63.9	48.3	55.7	+ 3.3	1	0.45	?	*	*
	Shields	72	48	64.4	51.9	57.9	+ 5.0	1	0.18	-0.42	*	*
	Scarborough	69	51	65.0	54.2	59.3	+ 5.0	2	0.41	-0.30	*	*
	York	78	49	69.0	52.1	60.1	+ 5.6	2	0.42	-0.31	28	33
3. ENGLAND, E.	Spurn Head	69	52	64.1	55.4	59.5	+ 4.8	1	0.12	?	*	*
	Hillington	80	48	71.5	53.5	62.1	+ 7.7	1	0.55	-0.09	37	43
	Yarmouth	71	55	66.0	58.6	62.1	+ 6.2	1	0.19	-0.55	*	*
	Geldeston	79	47	71.1	54.5	62.4	+ 6.5	1	0.08	-0.53	46	53
	Cambridge	81	48	72.6	53.3	62.5	+ 5.6	1	0.24	-0.31	45	52
4. MIDLAND COUNTIES	Rothamsted	80	48	70.9	53.6	61.8	+ 6.0	1	0.175	-0.53	*	*
	Bawtry (Hesley Hall)	82	45	70.6	50.6	60.1	+ 5.1	1	0.12	-0.58	*	*
	Loughborough	84	46	72.0	51.4	61.2	+ 6.4	2	0.31	-0.44	*	*
	Leicester	84	47	72.8	52.1	62.0	+ 7.1	2	0.28	-0.42	30	35
	Birmingham (Oscott)										*	*
	Cheadle	78	47	67.2	53.3	59.9	+ 6.2	3	0.47	?	*	*
	Churchstoke	74	42	68.1	52.0	59.7	+ 5.2	2	0.31	?	44	51
	Hereford	77	45	70.8	52.4	61.2	+ 6.1	1	0.34	-0.45	*	*
	Cirencester	76	45	67.0	52.9	59.6	+ 4.3	2	0.29	-0.56	41	48
	Oxford	81	48	71.6	54.0	62.4	+ 6.7	1	0.36	-0.34	45	52
5. ENGLAND, S.	London†	83	52	74.0	56.7	64.9	+ 7.9	2	0.05	-0.55	44	51
	Marlborough	79	47	71.5	54.5	62.6	+ 7.7	1	0.32	-0.57	46	53
	Strathfield Turgiss	80	44	72.2	50.6	60.9	+ 4.6	1	0.06	-0.63	*	*
	Dungeness										*	*
	Hastings (St. Leonard's)	81	53	70.6	59.6	64.8	+ 7.9	1	0.26	-0.44	51	59
	Southampton	80	51	73.0	56.9	64.6	+ 8.7	2	0.05	-0.75	52	60
6. SCOTLAND, W.	Hurst Castle	76	50	70.6	57.4	63.7	+ 7.0	2	0.09	-0.71	*	*
	Laudale (Loch Sunart)	67	47	63.8	52.2	57.7	+ 4.7	3	1.09	?	*	*
	Glasgow	69	46	62.7	51.9	57.0	+ 3.8	5	0.13	-0.88	13	15
	Ardrossan	67	49	62.1	53.7	57.7	+ 5.0	3	0.20	-0.75	*	*
	Silloth (Cumberland)	73	45	67.8	50.3	58.6	+ 3.8	3	0.32	-0.57	28	33
7. ENGLAND, N.W.	Douglas (Isle of Man)	72	45	65.9	50.8	58.0	+ 5.3	2	0.05	-0.63	29	34
	Newton Reigny (Penrith)	74	42	68.0	47.4	57.2	+ 4.7	3	0.72	?	32	37
	Barrow-in-Furness	70	52	65.6	55.4	60.3	+ 5.7	3	1.03	?	*	*
	Stonyhurst	71	46	67.9	52.7	59.9	+ 6.4	2	0.93	-0.32	35	41
	Blackpool	72	48	67.3	53.0	59.8	+ 5.0	4	0.47	-0.46	32	37
	Manchester	73	46	67.7	53.5	60.3	+ 5.8	3	0.69	-0.26	*	*
	Liverpool Obsv (Bidston)	73	50	67.3	55.9	61.3	+ 5.6	2	0.61	-0.26	*	*
	Llandudno	72	50	67.7	54.3	60.7	+ 4.0	2	0.38	-0.51	37	43
8. ENGLAND, S.W.	Holyhead	72	50	65.3	56.7	60.8	+ 4.4	1	0.07	-0.76	*	*
	Llandovery	75	45	70.3	54.1	61.8	+ 5.1	2	0.76	?	*	*
	Pembroke	72	53	65.7	58.4	61.9	+ 7.7	3	0.48	-0.43	43	50
	Arlington (N. Devon)	77	47	69.4	56.0	62.4	+ 7.3	2	0.56	?	*	*
	Cullompton	77	43	71.1	53.3	61.8	+ 5.3	4	0.24	?	38	44
	Falmouth	71	52	64.4	58.3	61.2	+ 4.0	4	0.34	-0.91	40	47
9. IRELAND, N.	Plymouth	74	48	68.8	57.4	62.8	+ 5.3	3	0.60	-0.40	50	58
	Prawle Point	75	47	67.3	57.6	62.2	+ 7.2	2	0.33	?	*	*
	Londonderry	75	46	66.8	51.1	58.6	+ 5.6	3	0.39	-0.51	*	*
	Mullaghmore	74	50	64.3	53.4	58.6	+ 4.1	4	0.48	?	*	*
	Markree Castle	74	41	65.3	49.4	57.0	+ 2.5	3	0.49	-0.26	30	35
	Brookeborough	75	42	66.9	48.9	57.5	+ 3.4	2	0.25	?	*	*
10. IRELAND, S.	Armagh	71	45	64.7	50.8	57.4	+ 3.4	4	0.27	-0.43	26	30
	Donaghadee	69	43	63.3	51.6	57.2	+ 4.0	3	0.40	-0.30	*	*
	Dublin	71	48	65.7	54.0	59.3	+ 4.9	1	0.02	-0.58	41	48
	Parsonstown	76	46	67.3	51.3	58.9	+ 3.4	2	0.17	-0.64	36	42
	Kilkenny (The Castle)	73	42	66.7	50.7	58.3	+ 3.2	1	0.15	?	*	*
	Waterford	76	42	67.8	52.8	59.9	+ 4.9	2	0.24	-0.67	*	*
	Roche's Point	71	48	64.7	54.9	59.6	+ 4.3	4	0.29	-0.77	*	*
CHANNEL ISLANDS	Valencia	73	48	64.9	53.7	59.0	+ 3.1	4	0.50	-0.67	30	35
	Foynes	74	49	67.5	51.6	59.2	+ 4.6	3	0.49	?	*	*
	Scilly (St. Mary's)	71	50	65.6	56.0	60.6	+ 2.5	4	0.47	-0.43	*	*
	Jersey (Noirmont)	77	54	70.1	59.9	64.8	+ 5.8	3	0.92	+0.07	54	63

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

§ Partly dew.

|| Including 0.15 in. of dew.

NOTE.—The observations at Dungeness are interrupted for the present.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 39.]
New Series.

WEEK ENDING MONDAY, 29TH SEPTEMBER, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS. (See p. 156.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
Daily Maxima.	Daily Minima.			Daily Mean.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.			
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	59	41	55.3	45.6	50.2	1 above.	Day deg. 57	Day deg. 1728	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	69	43	59.6	47.6	53.3	2 above.	79	2293	0	380
	2. ENGLAND, N.E.	69	42	61.5	48.6	54.7	2 above.	89	2479	0	232
	3. ENGLAND, EAST	68	42	63.3	47.1	54.8	1 above.	90	2911	0	318
	4. MIDLAND COUNTIES*	71	37	62.3	47.2	54.4	1 above.	87	2753	0	322
	5. ENGLAND, SOUTH	67	35	63.2	49.8	56.2	1 above.	99	3041	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	62	44	57.8	49.3	53.3	1 above.	79	2404	0	231
	7. ENGLAND, N.W.	69	43	59.7	50.0	54.6	1 above.	88	2602	0	254
	8. ENGLAND, S.W.	64	39	60.5	51.0	55.5	1 above.	95	2872	0	105
	9. IRELAND, NORTH	72	37	58.2	47.4	52.5	0 (average)	74	2485	0	241
	10. IRELAND, SOUTH	68	40	60.4	48.8	54.3	0 (average).	86	2781	0	127
	— CHANNEL ISLANDS	66	52	63.4	54.4	58.4	1 above.	115	3119	0	9
DISTRICTS. (See p. 156.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of In. 13	10ths of In. 4 more.	169	Ins. 26.3	23	1025	34	27	
	1. SCOTLAND, EAST	5	4	2 less.	139	16.4	40	1116	49	30	
	2. ENGLAND, N.E.	3	1	6 less.	118	15.1	22	1086	27	28	
	3. ENGLAND, EAST	1	less than ½	6 less.	113	15.1	24	1326	30	35	
	4. MIDLAND COUNTIES*	3	2	6 less.	118	17.7	22	1136	26	30	
	5. ENGLAND, SOUTH	5	2	6 less.	122	17.7	18	1204	22	33	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	6	18	3 more.	162	34.6	25	1057	30	27	
	7. ENGLAND, N.W.	5	6	3 less.	137	24.1	19	1100	23	28	
	8. ENGLAND, S.W.	5	6	4 less.	145	25.6	15	1303	18	34	
	9. IRELAND, NORTH	6	10	2 more.	141	28.4	18	921	22	24	
	10. IRELAND, SOUTH	5	7	3 less.	153	27.1	23	1089 †	29	29	
	— CHANNEL ISLANDS	6	3	6 less.	133	21.6	27	1614	33	46	

General Remarks.

Weather has been unsettled, squally, and rainy in the west and north-west, but generally fair in the southern and eastern parts of Great Britain, though a few showers have been experienced from time to time.

Temperature has been about its normal value in Ireland, but over England and Scotland it has been 1° or 2° above it. The highest of the maxima were registered in most places on the 28th, when the thermometer rose to 72° in "Ireland, N.," 71° in the "Midland Counties," and to between 64° and 69° in most other districts. In "Scotland, N.," however, 59° was the highest reading registered. The lowest of the minima were recorded generally on the 29th, and varied from 35° in "England, S.," and 37° in the "Midland Counties" and "Ireland, N.," to between 39° and 44° in most other parts of the Kingdom. In the "Channel Islands" the thermometer did not fall below 52°.

Rainfall has been more than the mean in the north and west of Scotland and in the north of Ireland, but less elsewhere.

Bright sunshine has been less prevalent than it was last week in all except the Scotch districts, the percentages of possible duration varying from 18 in "England, S.W." to 49 in "Scotland, E."

Depressions observed.—During the whole of this period the barometer has been highest over France and Germany and lowest to the westward and north-westward of our Islands. Several depressions have travelled in a north-easterly direction outside our extreme western and northern coasts, and some subsidiary disturbances have passed over England. The most important depression was that shown off the north west of Scotland on the 27th. It was of considerable depth, and caused the wind, which had previously only reached the force of a gale at our extreme western and northern stations, to increase to a moderate to strong gale from between South and West in all but the most south-eastern parts of the Kingdom.

* Returns incomplete; values consequently liable to alteration.

† This value has been altered slightly owing to an error in the reports from Parsonstown.

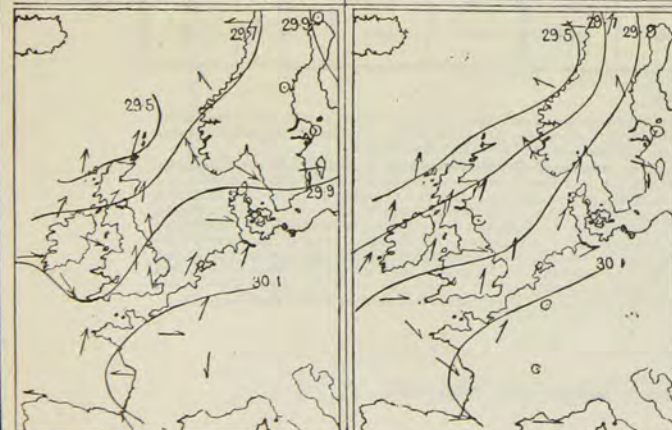
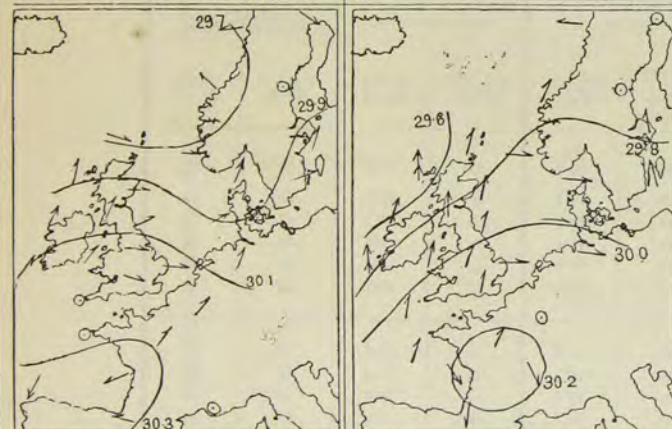
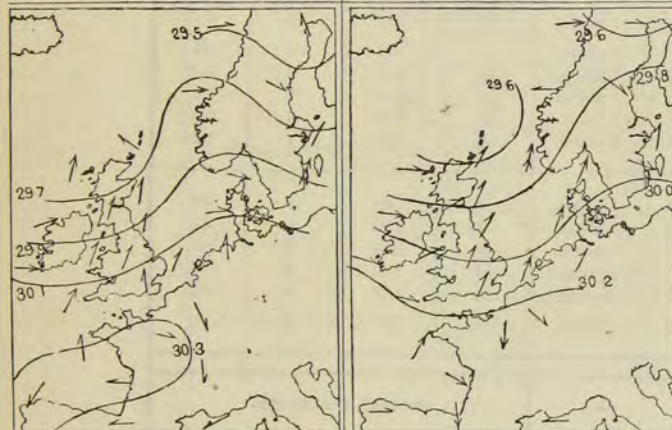
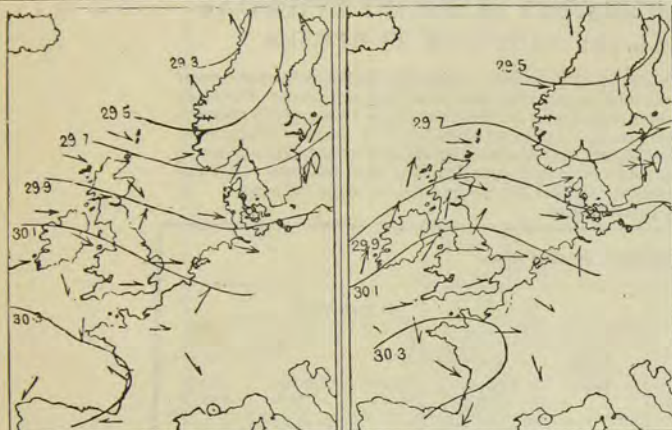
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

-8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, September 23.

Weather dull and showery in the west and north, fine in east and south.

Temperature somewhat low—the highest of the daily maxima varying from 60° to 63°.

Wind Westerly and South-Westerly, moderate to fresh; tending to back at our northern and western stations.

Sea rather rough on some parts of our western coasts.

Barometer high over France, low to the northward of our Islands; beginning to fall in the west later, and gradient becoming for winds from a more southerly point than at 8 A.M.

Wednesday, September 24.

Weather at 8 A.M. showery in the west and north, fine in the east and south. Showers falling subsequently in all parts of the Kingdom.

Temperature risen a little, but maxima not rising above 63°, even over England.

Wind South-Westerly and Southerly; strong at some northern stations, moderate to light elsewhere.

Sea rough in the west and south-west.

Barometer still highest in the S.; well-marked depression off our extreme north-western coasts, and moving north-eastward.

Thursday, September 25.

Weather again showery (with bright intervals) in the west and north; fine in the eastern and southern parts of our Islands; hazy and cool inland at night.

Temperature fallen a little at first, but subsequently rising to between 62° and 65° at our inland stations.

Wind varying between South-West and West—moderate or light in most places, but blowing strong to a gale in the west at night.

Sea rising in the west.

Barometer still highest over France and the Bay of Biscay; lowest in the north; new depression appearing in the north-west and moving north-eastwards.

Friday, September 26.

Weather changeable and unsettled generally, with showers at times in most places.

Temperature risen a little, and attaining a maximum of 60° to 66° over England.

Wind moderate from South-West in the north; stronger, and varying in direction from South to South-West and North-West in other parts of Great Britain; Westerly and South-Westerly in Ireland, and increasing in strength towards night.

Sea rough in the south-west, west, and extreme north-west.

Barometer highest over France, lowest to northward of our Islands. Depression in north moving north-eastwards; subsidiary disturbance to the southward of it travelling across England.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



SUMMARY OF WEATHER OVER WESTERN EUROPE—*continued*.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

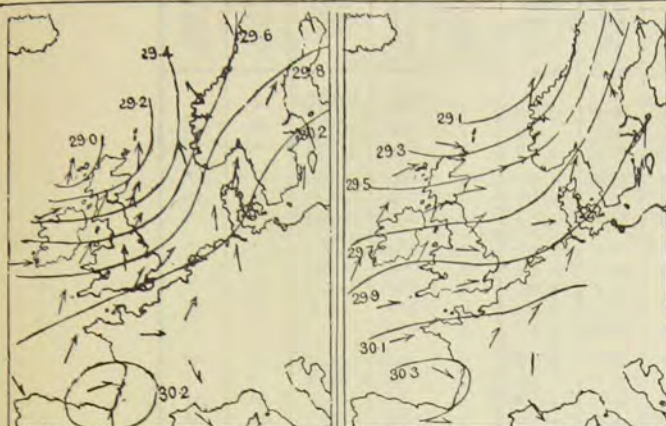
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, September 27.

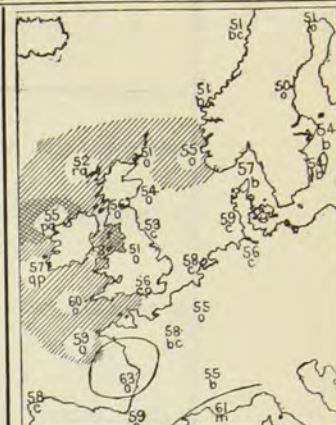
Weather at 8 a.m. rough, squally, and showery generally, especially in west, but subsequently improving everywhere.

Temperature not much altered at first, but not rising so high as of late during the day. Maxima barely exceeding 60°.

Wind South-Westerly and Westerly—blowing a gale in the west and north at first and a squally breeze in the south; subsequently moderating on all our coasts.

Sea very rough in the south-west, north-west, and north.

Barometer highest over Spanish Peninsula, lower (below 29 ins.) in north. Gradients steep in north. Deep depression off the Hebrides moving north-eastwards.



Sunday, September 28.

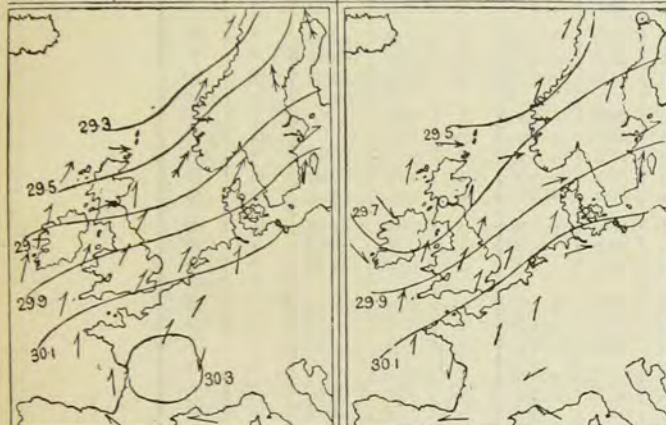
Weather very showery and unsettled in the north-west, rather showery with bright intervals in most other places, fair in south and south-east.

Temperature risen; maxima over England varying from 65° to 69°; air close at times.

Wind rather strong from South-West, veering suddenly to North-West in Ireland towards evening.

Sea still rough in the north as well as in the west and south-west.

Barometer rising steadily; depression in north moving away to north-eastward, angularly formed subsidiary disturbance advancing from Atlantic over our western districts.



Monday, September 29.

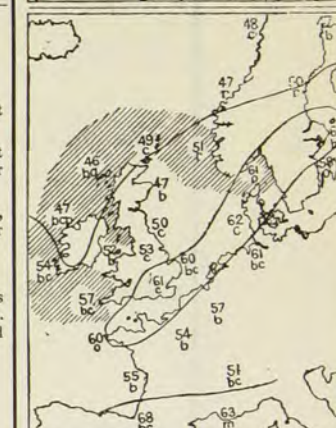
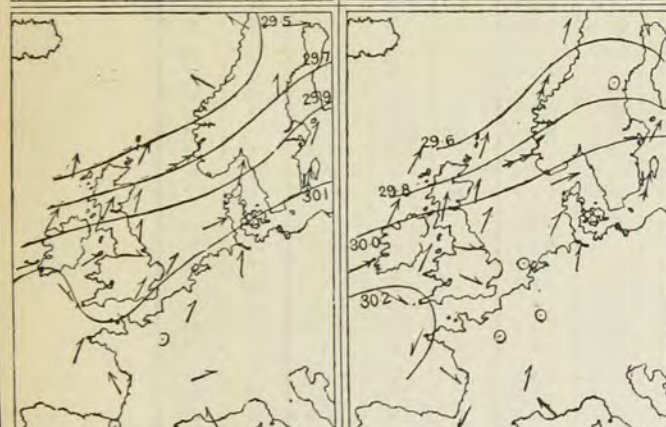
Weather fair on the whole; some showers locally—most in the south—followed by a clear sky at night.

Temperature fallen a little, air dry and pleasant except while showers passing. Maxima 60° to 63° over England.

Wind fresh from South-West in Ireland and Scotland, moderate from South-West to North-West over England; calm at night.

Sea still rough in the north and west.

Barometer highest in south, lowest in north; gradients slight except over the northern half of our Islands. Small anticyclone advancing towards the Channel and France from the westward as night came on.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: $\rightarrow$ = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 153 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	57	45	54.9	46.3	50.4	+ 0.9	7	Inches. 1.80	Inches. +0.92	28	34
	Stornoway	56	41	53.9	45.0	49.2	0.0	7	1.41	+0.39	28	34
	Wick	59	41	57.0	45.6	51.0	+ 1.3	6	0.62	-0.05	28	34
1. SCOTLAND, E.	Nairn	69	43	58.9	47.6	53.0	+ 2.4	5	0.34	-0.28	40	49
	Aberdeen	64	43	60.1	46.4	52.9	+ 2.3	4	0.43	-0.31	40	49
	Leith	62	46	59.7	48.9	54.0	+ 2.4	6	0.47	-0.09	40	49
2. ENGLAND, N.E.	Alnwick Castle	65	42	59.1	47.0	52.8	+ 1.7	3	0.13	?	22	27
	Shields	67	46	61.4	48.4	54.6	+ 2.9	3	0.07	-0.53	22	27
	Scarborough	68	45	62.0	48.7	55.0	+ 2.1	3	0.05	-0.65	22	27
3. ENGLAND, E.	York	69	44	63.3	48.6	55.6	+ 2.7	3	0.04	-0.66	22	27
	Spurn Head	68	47	61.7	50.3	55.7	+ 2.5	2	0.05	?	22	27
	Hillington	68	42	63.0	45.1	53.6	+ 0.7	0	0.025	-0.59	18	22
4. MIDLAND COUNTIES	Yarmouth	67	46	62.7	49.3	55.7	+ 1.1	2	0.04	-0.67	30	37
	Geldeston	68	45	63.8	48.2	55.6	+ 1.2	0	—	—	30	37
	Cambridge	67	43	61.1	46.6	54.9	- 0.4	1	0.03	-0.50	25	30
5. ENGLAND, S.	Rothamsted	65	44	62.8	46.4	54.2	- 0.2	3	0.11	-0.59	25	30
	Bawtry (Hesley Hall)	71	37	63.4	46.7	54.7	+ 1.3	3	0.07	-0.63	20	24
	Loughborough	67	46	63.3	49.1	55.9	+ 2.7	3	0.13	-0.60	20	24
6. SCOTLAND, W.	Leicester	66	43	63.3	46.3	54.4	+ 1.3	3	0.14	-0.54	20	24
	Birmingham (Oscott)	63	42	59.4	45.0	51.7	- 0.2	4	0.31	?	28	34
	Cheadle	66	41	61.5	45.8	53.3	+ 0.5	2	0.16	?	28	34
7. ENGLAND, N.W.	Churchstoke	67	40	64.0	47.4	55.3	+ 1.8	4	0.18	-0.59	19	23
	Hereford	62	40	60.3	43.9	53.3	- 0.5	4	0.22	-0.60	20	24
	Cirencester	67	46	63.3	50.4	56.5	+ 2.1	2	0.03	-0.61	16	20
8. ENGLAND, S.W.	Oxford	66	47	63.9	49.6	56.4	+ 0.9	4	0.15	-0.45	16	20
	London†	64	40	62.1	46.5	53.9	+ 0.5	5	0.17	-0.69	18	22
	Marlborough	67	35	63.9	46.4	54.7	0.0	3	0.05	-0.61	16	20
9. IRELAND, N.	Strathfield Turgiss	65	47	62.7	52.2	57.2	+ 1.7	4	0.30	-0.40	21	26
	Dungeness	66	43	63.3	51.0	56.9	+ 2.1	6	0.19	-0.61	16	20
	Hastings (St. Leonard's)	65	50	63.0	53.3	57.9	+ 2.5	5	0.24	-0.55	16	20
10. IRELAND, S.	Hurst Castle	57	44	55.2	47.5	51.2	- 0.4	7	4.00	?	23	28
	Laudale (Loch Sunart)	58	45	56.3	47.6	51.7	0.0	7	1.69	+0.69	23	28
	Glasgow	60	49	57.9	50.7	54.1	+ 2.5	7	1.57	+0.60	22	27
CHANNEL ISLANDS	Ardrossan	62	48	60.4	50.4	55.2	+ 2.0	6	1.03	+0.14	22	27
	Silloth (Cumberland)	62	45	59.2	50.3	54.5	+ 2.8	5	0.59	-0.12	29	35
	Douglas (Isle of Man)	67	43	59.1	47.0	52.8	+ 0.8	6	0.99	?	20	24
1. SCOTLAND, N.	Newton Reigny (Penrith)	63	51	59.1	52.6	55.7	+ 2.4	6	0.65	?	23	28
	Barrow-in-Furness	65	44	59.1	47.3	52.9	+ 0.8	4	0.55	-0.72	18	22
	Stonyhurst	62	48	59.2	51.9	55.4	+ 1.7	5	0.59	-0.36	18	22
2. ENGLAND, N.W.	Blackpool	69	43	61.2	47.5	54.1	+ 1.1	5	0.60	-0.34	13	16
	Manchester	66	46	60.0	51.0	55.3	+ 0.9	5	0.52	-0.33	13	16
	Liverpool Obs† (Bidston)	64	46	60.1	50.4	55.0	- 0.5	4	0.19	-0.71	13	16
3. ENGLAND, S.W.	Llandudno	62	49	59.6	51.9	55.6	+ 0.4	4	0.83	-0.07	13	16
	Holyhead	64	39	60.7	48.7	54.4	- 0.4	6	1.50	?	13	16
	Llandovery	61	53	59.4	54.1	56.4	+ 2.7	6	0.49	-0.44	23	28
4. IRELAND, N.	Pembroke	61	44	59.0	48.9	53.7	- 0.3	5	0.95	?	11	13
	Arlington (N. Devon)	64	41	61.4	49.5	55.2	+ 1.2	5	0.40	?	13	16
	Cullompton	64	50	60.6	52.3	56.3	+ 0.2	5	0.48	-0.79	13	16
5. IRELAND, S.	Falmouth	63	47	61.9	51.0	56.2	+ 0.1	5	0.33	-0.64	13	16
	Plymouth	63	49	60.6	52.4	56.3	+ 2.4	4	0.20	?	13	16
	Prawle Point	59	43	58.1	47.1	52.3	+ 0.6	7	1.14	+0.24	17	21
6. CHANNEL ISLANDS	London†	59	46	57.0	49.0	52.8	- 0.1	7	1.25	?	17	21
	Mullaghmore	60	37	68.1	46.0	51.8	- 1.1	7	1.23	+0.45	18	22
	Markree Castle	60	41	57.4	46.5	51.7	- 0.8	6	0.97	?	18	22
7. CHANNEL ISLANDS	Brookeborough	72	44	59.5	47.7	53.3	+ 0.6	6	0.78	+0.07	26	32
	Armagh	62	43	59.1	47.9	53.2	+ 1.0	5	0.47	-0.26	26	32
	Donaghadee	68	47	60.7	50.5	55.4	+ 2.2	5	0.13	-0.52	21	26
8. CHANNEL ISLANDS	Dublin	63	44	59.0	47.7	53.1	- 0.7	7	0.58	-0.22	21	26
	Parsonstown	62	40	59.0	46.9	52.7	- 1.2	3	0.45	?	26	32
	Kilkenny (The Castle)	64	40	61.3	47.0	53.8	- 0.2	4	0.55	-0.38	26	32
9. CHANNEL ISLANDS	Waterford	63	46	61.1	50.9	55.8	+ 1.2	5	0.71	-0.32	26	32
	Roche's Point	66	49	60.6	51.3	55.7	+ 0.7	7	1.39	+0.18	26	32
	Valencia	64	44	60.9	47.5	53.9	- 0.4	6	0.78	?	27	33
10. CHANNEL ISLANDS	Foynes	66	52	53.4	54.4	58.2	+ 1.0	6	0.33	-0.57	27	33
	Seilly (St. Mary's)	64	52	63.3	54.4	58.6	+ 0.8	5	0.29	-0.58	27	33
CHANNEL ISLANDS	Jersey (Noirmont)	64	52	63.3	54.4	58.6	+ 0.8	5	0.29	-0.58	27	33

Stations marked *ft* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.
‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.
§ Chiefly dew.

NOTE.—The observations at Dungeness are interrupted for the present.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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New Series.

WEEK ENDING MONDAY, 6TH OCTOBER, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page.

A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 160.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	60	39	55.4	44.3	49.7	1 above.	Day deg. 54	Day deg. 1782	Day deg. 0	Day deg. 396
	1. SCOTLAND, EAST	64	38	59.0	43.4	50.9	1 above.	62	2360	0	380
	2. ENGLAND, N.E.	61	35	57.0	43.5	50.1	1 below.	57	2536	0	282
	3. ENGLAND, EAST	65	32	59.6	42.0	50.5	3 below.	60	2971	0	318
	4. MIDLAND COUNTIES*	63	30	58.4	39.6	48.7	3 below.	57	2810	7	329
	5. ENGLAND, SOUTH	65	32	60.7	44.3	52.3	2 below.	72	3113	0	185
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	61	37	56.9	44.6	50.6	0 (average)	60	2464	0	231
	7. ENGLAND, N.W.	61	33	56.8	44.4	50.3	2 below.	58	2660	0	254
	8. ENGLAND, S.W.	64	33	59.0	45.5	52.0	2 below.	70	2942	0	105
	9. IRELAND, NORTH	64	31	57.6	43.1	50.1	1 below.	57	2542	0	241
	10. IRELAND, SOUTH*	69	33	59.2	43.8	51.3	2 below.	65	2846	0	127
	— CHANNEL ISLANDS	63	49	60.3	53.1	56.6	0 (average).	102	3221	0	9

DISTRICTS. (See p. 160.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of In. 8	10ths of In. 1 less.	173	Ins. 27.1	23	1048	29	27
	1. SCOTLAND, EAST	3	1	5 less.	142	16.5	40	1156	51	31
	2. ENGLAND, N.E.	2	1	6 less.	120	15.2	39	1125	49	29
	3. ENGLAND, EAST	2	1	5 less.	115	15.2	34	1360	43	35
	4. MIDLAND COUNTIES*	2	less than ½	7 less.	120	17.7	35	1171	44	30
	5. ENGLAND, SOUTH	2	2	6 less.	124	17.9	28	1232	36	33
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	3	10	3 less.	165	35.6	29	1086	37	28
	7. ENGLAND, N.W.	3	3	7 less.	140	24.4	33	1133	42	29
	8. ENGLAND, S.W.	3	3	8 less.	148	25.9	47	1350	59	35
	9. IRELAND, NORTH	3	5	3 less.	144	28.9	27	948	34	25
	10. IRELAND, SOUTH*	2	4	6 less.	155	27.5	35	1124	44	29
	— CHANNEL ISLANDS	3	2	5 less.	156	21.8	37	1651	46	46

General Remarks.

Weather during the first few days of this period was showery and unsettled, but afterwards became fine and dry, though at many stations some fog or mist prevailed.

Temperature has been about equal to the mean in the "Channel Islands" and in "Scotland, N.", and slightly above it in the north and east of Scotland, but from 1° to 3° below it in all other districts. The maxima, which were recorded on different days in the various parts of the Kingdom, ranged from 60° in "Scotland, N." to 65° in "England, E.", and "England, S.", and to 69° in "Ireland, S." The minima were registered in most places on the 5th, when the thermometer fell to 30° in the "Midland Counties" (at Loughborough), 31° in "Ireland, N.", 32° in the east and south of England, and to between 33° and 35° in the other parts of Ireland and England; over Scotland, the lowest readings were between 37° and 39°, while in the "Channel Islands" the minimum was 49°.

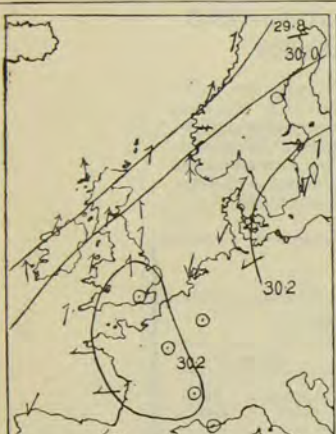
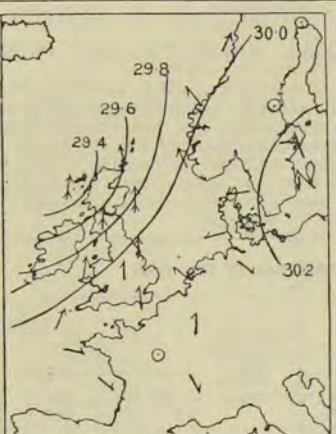
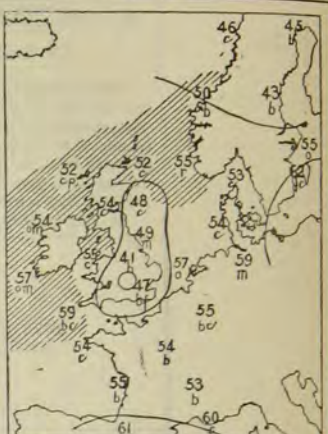
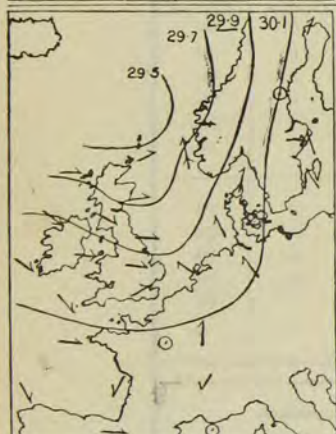
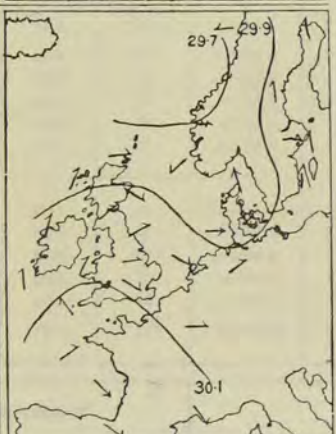
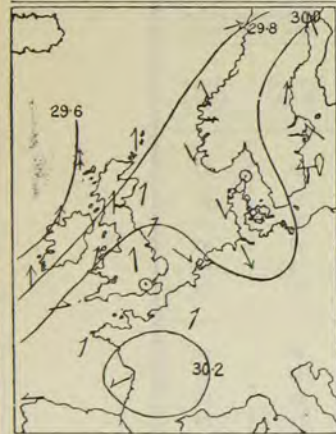
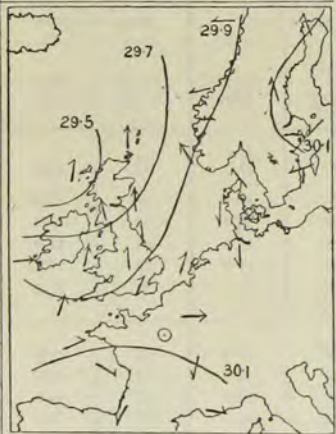
Rainfall has been less than the mean in all districts, the fall being especially slight in the east and south.

Bright sunshine shows a considerable increase in duration; in "England, S.W." 59% of the possible number of hours was recorded, in "Scotland, E." 51%, and in most other districts between 40% and 50%. In "Scotland, N.", however, the percentage was only 29.

Depressions observed.—During the first half of this week, depressions continued to travel in a north-easterly direction outside our extreme north-western coasts. The wind remained moderate or fresh from between South and West over England, but in Ireland and Scotland a strong Southerly gale prevailed on September 30th. By the morning of the 4th, however, the barometer had risen quickly at all our stations, and an anticyclone, which subsequently extended as a band of high pressure from Ireland to the south of Scandinavia had appeared over our south-western districts. The wind consequently became light or moderate generally, and gradually veered from West to North and North East at our southern and south-western stations, while light Westerly airs or calms were experienced in the north.

* Returns incomplete; values consequently liable to alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts.
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	TEMPERATURE AND WEATHER at 8 a.m.
		Tuesday, September 30. <i>Weather</i> dull at several of our extreme western and northern stations, but generally fine elsewhere, with fog in the south-east of England. Rain falling in the west and north later, and cloud extending eastwards. <i>Temperature</i> risen on our western and northern coasts, but fallen elsewhere—rapidly over England; readings ranging from 59° at Scilly to 37° at Oxford. Highest maxima 65° at Cambridge, 64° in London, and 63° at Scilly and Dungeness. <i>Wind</i> strong from the Southward on our western and northern coasts, but light and variable in the south-east of England, and moderate from East in the Bay of Biscay. Strong Southerly gale blowing in Ireland and Scotland later. <i>Sea</i> rough in the west and north, moderate to smooth elsewhere. <i>Barometer</i> rising at all but our western stations, where brisk fall reported. Large and deep depression subsequently skirting the west of Scotland in a north-easterly direction, and fall of barometer extending to all coasts.	
		Wednesday, October 1. <i>Weather</i> fair in most places, but cloud and rain reported from some of our south-eastern stations. Weather improving in south-east later, but cloud appearing in extreme west. <i>Temperature</i> risen several degrees over England, but fallen elsewhere; readings ranging from 60° at Dungeness to 44° at Parsonstown. Highest maxima 64° at Prawle Point and in London, and 63° at Hurst Castle and Dungeness. <i>Wind</i> South-easterly on the eastern shores of the North Sea, but Westerly or North-Westerly in our Islands and the north of France; moderate or fresh in force generally. Subsequently backing to South-West or South on our western coasts. <i>Sea</i> still rough at some of the western stations. <i>Barometer</i> rising in the west and north of our Islands, but falling elsewhere. Depression of previous day now passing away to the northward of Scotland, and area of high readings appearing over the Bay of Biscay. Slight fall taking place in west of Ireland later.	
		Thursday, October 2. <i>Weather</i> cloudy at all but the French stations, with showers in the west and north of our Islands. Rain falling later in nearly all parts of the Kingdom. <i>Temperature</i> fallen several degrees over England; readings ranging from 59° at Scilly to 40° at York. <i>Wind</i> North-Westerly on the eastern shores of the North Sea and Easterly in the south of France, but South-Westerly or Southerly elsewhere; strong in force on our extreme western and northern coasts. <i>Sea</i> rough on the west coasts of Ireland and Scotland. <i>Barometer</i> falling in Sweden and the west and north of our Islands, but rising elsewhere. Anticyclone lying over France, with depression skirting our extreme western coasts and subsidiary disturbance lying over Denmark. Depression in west subsequently moving northwards, but barometric fall becoming general.	
		Friday, October 3. <i>Weather</i> showery in extreme north-west and north, but fair or fine elsewhere. No important change later. <i>Temperature</i> fallen in our Islands, but risen at the Continental stations; readings ranging from 57° at Scilly and Jersey to 45° at Parsonstown. <i>Wind</i> South-Easterly on the eastern shores of the North Sea, but Westerly or North-Westerly elsewhere; fresh or strong in force generally. <i>Sea</i> rough on our western coasts. <i>Barometer</i> falling a little in Scandinavia and Denmark, but rising in our Islands and France. Depression noticed in west on previous day now passing away to northward of Scotland, and area of high readings appearing off our south-west coasts. Rise extending to eastern shores of North Sea later.	

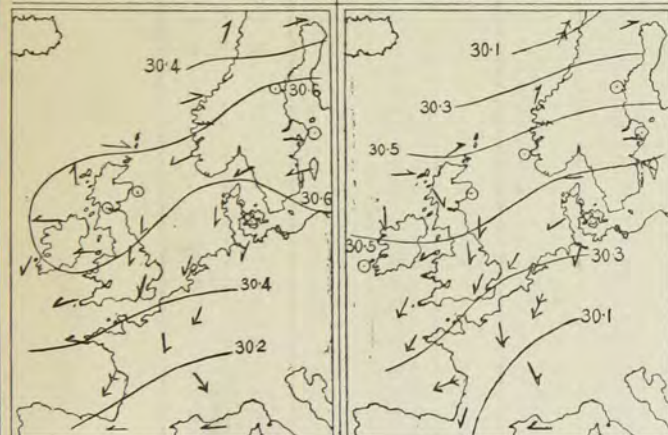
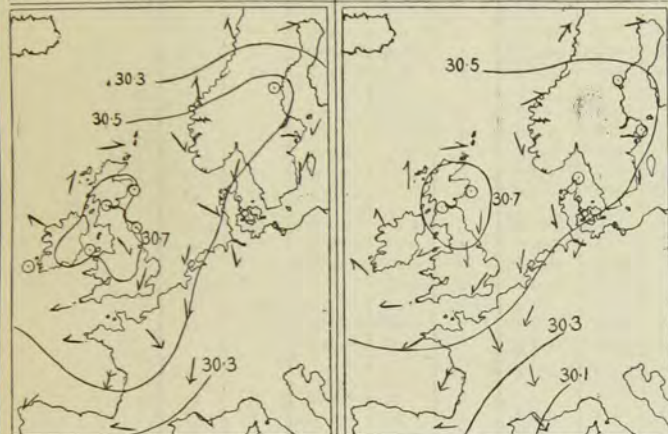
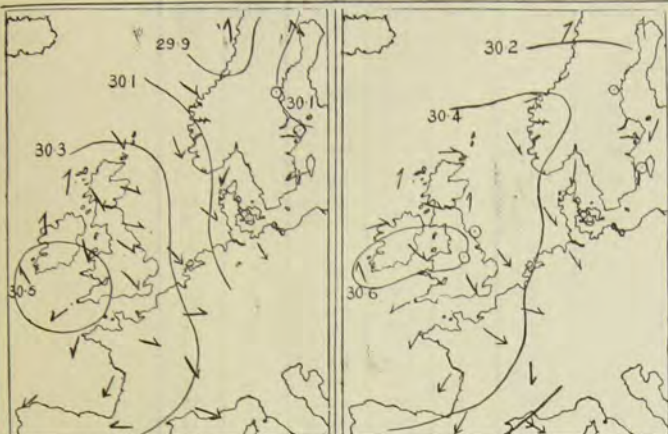
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, October 4.

Weather fine generally, but fog or mist prevailing at some of our northern stations.

Temperature fallen a little in most places; readings ranging from 57° at Scilly to 44° at Parsonstown, York, and in London. Maxima below 60° in most parts of the Kingdom. Thermometer falling to 30° at Loughborough at night.

Wind light Southerly on our extreme western coasts, but North-Westerly or Northerly elsewhere. Subsequently veering to North-East at our southern stations.

Sea rough at Scilly, but slight or smooth elsewhere.

Barometer rising generally. Anticyclone lying over our south-west coasts, with low pressure system off the north-west coast of Norway. Rise continuing all day.

Sunday, October 5.

Weather dull in the north of Scotland and west of Norway, but fair or fine elsewhere.

Temperature fallen a little generally; readings varying from 56° at Scilly to 33° at Loughborough.

Wind Westerly or South-Westerly in extreme north, but North-Easterly at our Southern and the French stations; light or moderate in force generally.

Sea rather rough at Yarmouth, slight or smooth elsewhere.

Barometer rising steadily. Anticyclone now lying over the central parts of our Islands with relatively low pressures off the west of Norway and also over the south-east of France. Slight fall taking place at our southern and the French stations.

Monday, October 6.

Weather fine generally, but fog or mist prevailing in several parts of our Islands.

Temperature fallen in the northern parts of our Islands but risen elsewhere; readings ranging from 58° at Dungeness to 41° at Nairn.

Wind light and variable over our northern districts, but moderate or fresh from the north-eastward elsewhere. No important change later.

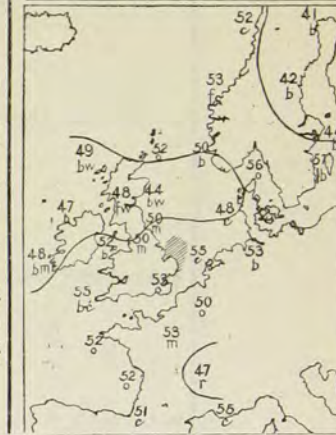
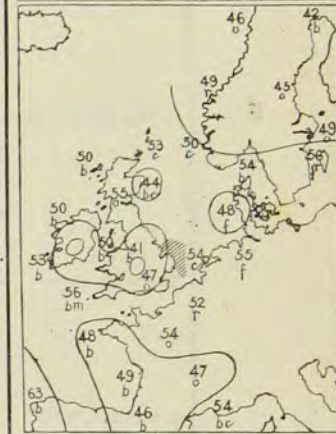
Sea rather rough at Yarmouth, moderate to smooth elsewhere.

Barometer rising in Sweden and the north of Norway, but falling over our Islands and France. Long band of high pressure extending from the north of Ireland to the south of Scandinavia, with relatively low readings over the north of Scandinavia and south-east of France. Fall of barometer continuing all day.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 157 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	58	43	54.9	46.6	50.6	+ 2.5	6	0.81	-0.12	23	29
	Stornoway	60	42	55.0	44.0	49.3	+ 1.2	4	1.36	+0.31	23	29
	Wick	60	39	56.4	42.4	49.2	+ 0.6	3	0.19	-0.47	23	29
1. SCOTLAND, E.	Nairn	62	38	58.6	43.3	50.7	+ 1.3	3	0.16	-0.44	40	51
	Aberdeen	62	38	58.9	41.7	50.1	+ 1.0	3	0.07	-0.64	40	51
	Leith	64	40	59.4	45.1	52.0	+ 1.7	2	0.20	-0.32	40	51
2. ENGLAND, N.E.	Alnwick Castle	59	38	55.1	43.4	49.1	- 1.1	2	0.04	?	39	49
	Shields	60	40	56.9	43.1	49.8	- 1.1	2	0.07	-0.53	39	49
	Scarborough	60	42	57.9	45.2	51.4	- 0.2	3	0.18	-0.52	39	49
	York	61	35	59.0	38.6	48.4	- 3.4	3	0.05	-0.60	39	49
3. ENGLAND, E.	Spurn Head	60	45	56.3	47.3	51.7	- 0.2	2	0.09	?	35	44
	Hillington	63	32	59.6	40.9	50.0	- 1.8	1	0.30	-0.27	33	42
	Yarmouth	60	40	58.3	45.7	51.8	- 1.6	4	0.10	-0.55	33	42
	Gedeston	63	36	60.1	43.8	51.7	- 1.7	2	0.07	-0.46	34	43
	Cambridge	65	36	60.9	39.9	50.1	- 3.7	1	0.02	-0.49	35	44
	Rothamsted	63	33	59.0	39.8	49.1	- 3.7	3	0.03	-0.64	35	44
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	63	33	59.7	41.7	50.4	- 1.8	0	—	-0.67	27	34
	Loughborough	61	30	59.1	37.1	47.8	- 4.2	2	0.03	-0.67	27	34
	Leicester	62	32	59.1	38.8	48.7	- 3.3	1	0.02	-0.61	27	34
	Birmingham (Oscott)	58	39	55.7	41.8	48.5	- 2.3	3	0.09	?	33	46
	Cheadle	62	33	57.2	39.1	47.9	- 3.9	2	0.11	?	33	46
	Churchstoke	61	33	58.9	39.6	49.0	- 3.3	2	0.07	-0.66	39	49
	Hereford	62	34	57.6	39.6	48.3	- 4.2	2	0.03	-0.77	39	49
	Cirencester	63	35	60.0	39.1	49.2	- 3.6	0	—	-0.65	36	46
5. ENGLAND, S.	Oxford	64	37	61.1	43.3	51.9	- 2.4	2	0.08	-0.52	20	25
	London†	64	32	59.3	38.7	48.7	- 3.6	2	0.05	-0.76	34	43
	Marlborough	64	32	60.9	41.6	51.0	- 2.5	2	0.03	-0.59	34	43
	Strathfield Turgiss	63	40	60.9	47.6	54.1	- 0.7	3	0.37	?	29	37
	Dungeness	65	41	61.4	49.2	55.1	+ 0.8	2	0.51	-0.22	29	37
	Hastings (St. Leonard's)	62	37	61.2	44.4	52.6	- 0.9	3	0.06	-0.73	29	37
	Southampton	63	39	60.4	45.6	52.8	- 1.6	2	0.09	-0.66	29	37
	Hurst Castle	59	41	55.6	45.2	50.3	- 0.5	5	2.82	?	29	37
6. SCOTLAND, W.	Laudale (Loch Sunart)	58	43	55.8	45.2	50.3	0.0	4	0.62	-0.37	19	24
	Glasgow	59	43	57.6	47.4	52.4	+ 2.0	4	0.66	-0.33	29	37
	Ardrossan	61	37	59.1	43.3	51.0	- 0.9	2	0.69	-0.20	29	37
	Silloth (Cumberland)	59	39	56.4	41.9	48.9	- 2.3	2	0.40	-0.38	39	49
	Douglas (Isle of Man)	58	33	55.9	39.9	47.7	- 2.2	4	0.41	?	35	45
7. ENGLAND, N.W.	Newton Reigny (Penrith)	59	42	57.7	46.9	52.1	- 0.3	3	0.28	?	35	45
	Barrow-in-Furness	59	37	56.4	41.8	48.9	- 1.9	2	0.39	-0.89	35	44
	Stonyhurst	61	33	56.7	42.8	49.3	- 3.2	3	0.49	-0.50	29	37
	Blackpool	59	37	56.7	42.1	49.2	- 2.7	2	0.29	-0.64	35	44
	Manchester	61	44	56.4	43.7	51.2	- 2.2	3	0.28	-0.55	35	44
	Liverpool Obs (Kidston)	61	42	57.6	45.8	51.5	- 2.7	2	0.22	-0.68	32	41
	Llandudno	59	45	56.7	49.0	52.7	- 1.4	2	0.30	-0.68	35	44
	Holyhead	62	37	57.1	42.7	49.7	- 4.5	3	0.47	?	35	45
8. ENGLAND, S.W.	Llandovery	60	46	57.6	49.9	53.6	+ 0.2	3	0.38	-0.56	42	53
	Pembroke	59	38	57.4	43.9	50.5	- 2.4	3	0.31	?	46	58
	Arlington (N. Devon)	64	33	60.6	49.9	50.3	- 3.6	3	0.13	?	46	58
	Cullompton	61	47	59.0	50.0	54.4	+ 0.3	3	0.31	-0.97	51	64
	Falmouth	63	40	60.9	44.2	52.3	- 1.6	3	0.16	-0.76	48	60
	Plymouth	64	43	60.4	46.9	53.5	+ 0.1	3	0.17	?	48	60
9. IRELAND, N.	Prawle Point	64	43	60.4	46.9	53.5	+ 0.1	3	0.17	?	48	60
	Londonderry	64	38	58.3	43.5	50.7	+ 0.1	3	0.50	-0.32	27	34
	Mullaghmore	62	43	57.6	47.1	52.2	+ 0.8	3	0.95	?	27	34
	Markree Castle	61	31	57.3	40.4	48.4	- 2.9	2	0.50	-0.30	27	34
	Brookeborough	62	35	58.1	41.0	49.3	- 1.8	2	0.55	?	27	34
	Armagh	60	38	56.3	43.6	49.8	- 1.5	3	0.25	-0.46	27	34
10. IRELAND, S.	Donaghadee	60	40	58.0	42.9	50.2	- 1.4	2	0.33	-0.43	27	34
	Dublin	63	40	58.1	45.0	51.4	- 0.5	2	0.18	-0.56	44	56
	Parsonstown	62	33	58.7	39.9	49.0	- 3.1	2	0.31	-0.49	32	41
	Kilkenny (The Castle)	60	33	57.3	39.3	48.0	- 4.6	2	0.26	?	32	41
	Waterford	60	42	59.3	46.3	52.6	- 0.9	2	0.26	-0.75	28	35
	Roele's Point	62	42	59.7	47.1	53.2	- 1.2	3	0.72	-0.58	28	35
CHANNEL ISLANDS	Valencia	69	40	62.0	45.4	53.3	+ 0.4	2	0.60	?	37	46
	Foynes	63	51	60.4	53.0	56.6	+ 0.1	3	0.11	-0.67	37	46
	Scilly (St. Mary's)	62	49	60.1	53.1	56.5	- 0.4	3	0.25	-0.41	37	46
	Jersey (Noirmont)	62	49	60.1	53.1	56.5	- 0.4	3	0.25	-0.41	37	46

Stations marked *fa* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

NOTE.—The amount of Rainfall at Ardrossan for the week ending 1st Sept. was 1.07 ins. and the difference from the mean +0.12 in.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 41.]
New Series.

WEEK ENDING MONDAY, 13TH OCTOBER, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 164.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	57	33	49.1	40.3	44.6	3 below.	Day deg. 25	Day deg. 1807	Day deg. 5	Day deg. 401
	1. SCOTLAND, EAST	54	33	49.7	39.9	44.6	4 below.	27	2387	6	283
	2. ENGLAND, N.E.	59	32	50.6	39.2	44.7	5 below.	31	2567	8	290
	3. ENGLAND, EAST	62	32	52.6	41.1	46.6	5 below.	36	3007	3	321
	4. MIDLAND COUNTIES	61	31	50.4	37.6	43.8	7 below.	31	2841	12	341
	5. ENGLAND, SOUTH	61	30	53.0	39.8	46.2	6 below.	39	3152	6	191
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	58	31	50.5	39.2	44.7	5 below.	31	2495	8	239
	7. ENGLAND, N.W.	61	29	51.2	39.9	45.4	6 below.	33	2633	6	260
	8. ENGLAND, S.W.	61	29	52.0	40.9	46.3	6 below.	35	2977	3	108
	9. IRELAND, NORTH	63	33	50.3	39.8	44.9	5 below.	30	2572	6	247
	10. IRELAND, SOUTH	60	32	51.5	39.8	45.5	6 below.	34	2880	6	133
	— CHANNEL ISLANDS	60	39	53.9	46.4	50.1	6 below.	57	3278	0	9

DISTRICTS. (See p. 164.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of In. 12	10ths of In. 3 more.	179	Ins. 28.3	16	1064	22	26
	1. SCOTLAND, EAST	5	12	6 more.	147	17.7	5	1161	7	39
	2. ENGLAND, N.E.	5	12	6 more.	125	16.4	19	1144	25	29
	3. ENGLAND, EAST	6	23	18 more.	121	17.5	24	1334	31	35
	4. MIDLAND COUNTIES	5	8	1 more.	125	18.5	21	1192	28	30
	5. ENGLAND, SOUTH	6	10	3 more.	130	18.9	23	1255	30	33
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	5	9	2 less.	170	36.5	19	1105	26	28
	7. ENGLAND, N.W.	4	7	3 less.	144	25.1	19	1152	26	29
	8. ENGLAND, S.W.	6	13	3 more.	154	27.2	22	1372	29	35
	9. IRELAND, NORTH	7	13	5 more.	151	30.2	18	963	23	25
	10. IRELAND, SOUTH	4	5	4 less.	159	28.0	28	1152	36	29
	— CHANNEL ISLANDS	6	13	4 more.	162	23.1	30	1681	39	46

General Remarks.

Weather has been dull, cold, and unsettled, with frequent and heavy rain. At many of our central and northern stations sleet or snow showers were reported, while in some parts of eastern England on the 9th and 10th thunder and lightning were experienced.

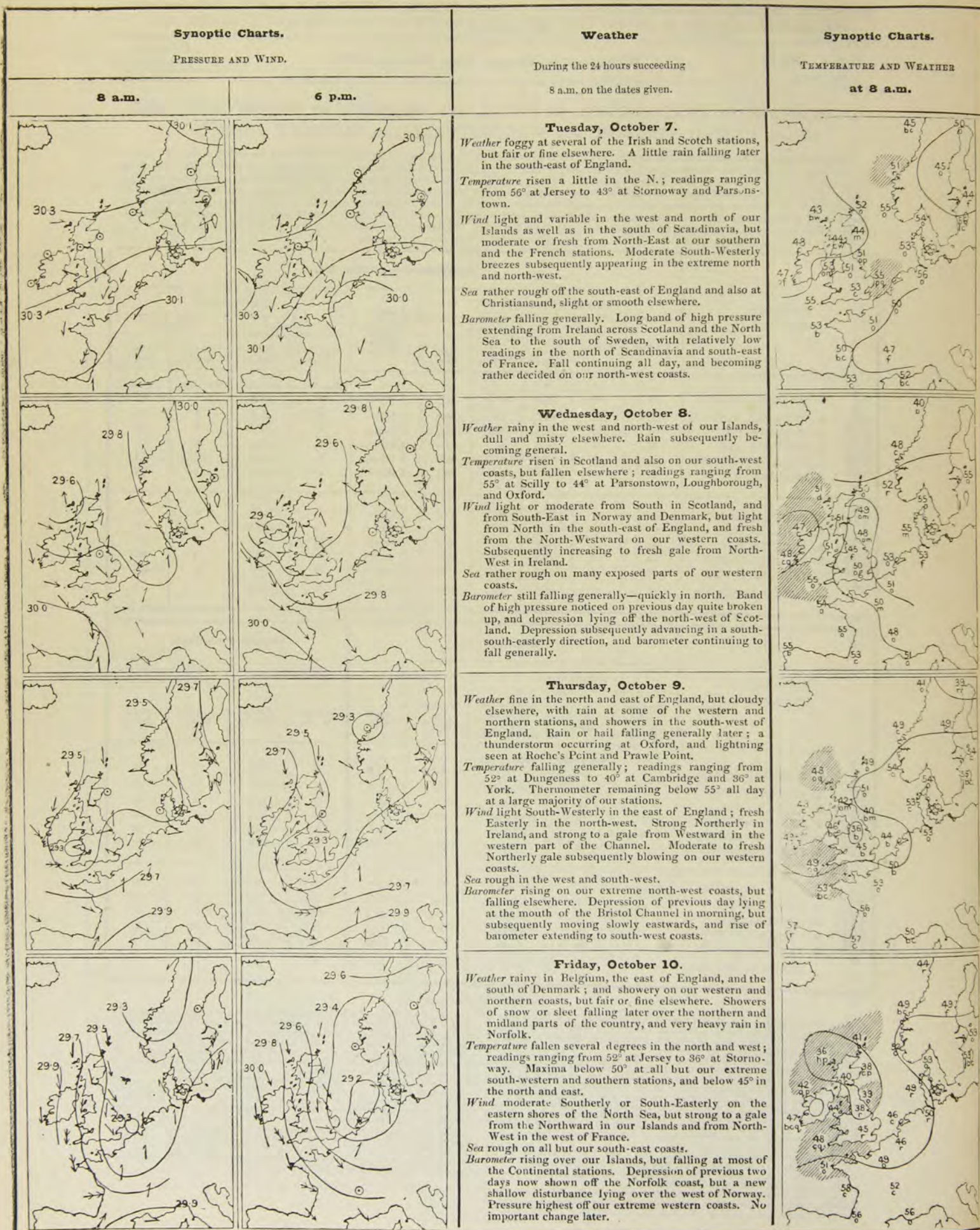
Temperature has been considerably below the mean, the deficit varying from 3° in "Scotland, N." to 5° or 6° in nearly all other districts, and to 7° in the "Midland Counties". The maxima, which were registered on the 7th, ranged from 63° in "Ireland, N." to 54° in "Scotland, E." During the latter part of the period, the highest readings were (excepting at a few coast stations) nearly all below 50°. The minima were generally recorded either on the 11th or 13th, when the thermometer fell to 29° in "England, N.W." and "England, S.W.", to between 30° and 32° in the other English districts, to between 31° and 33° over Ireland and Scotland, and to 39° in the "Channel Islands".

Rainfall has been rather less than the mean in "Scotland, W.", "England, N.W.", and "Ireland, S.", but more in all other districts. In "England, E.", owing to a very heavy fall on the 10th, the total amounted to nearly five times as much as the mean.

Bright sunshine has been less prevalent than it was last week, the percentages of possible duration varying from 59 in the "Channel Islands" and 39 in "Ireland, S.", to 22 in "Scotland, N." and only 7 in "Scotland, E."

Depressions observed.—At the commencement of the period a long band of high readings extended from Ireland to the south of Sweden. This quickly dispersed, and on the morning of the 8th, two areas of comparatively high pressure were shown, one over the Bay of Biscay and the other over Sweden, while a depression was advancing to our north-west coasts. By 8 A.M. next day the centre of this disturbance had reached the mouth of the Bristol Channel and caused fresh to strong northerly or north-westerly gales on many parts of the western coasts. It then changed its course and moved eastwards and east-north-eastwards over the south of England, and during the 10th and 11th very slowly north-eastwards over the North Sea, finally disappearing to the eastward of Denmark. The wind, which as the disturbance travelled over the south of England, had been strong from the Northward at all our western and northern stations, and light from the Southward in the east, subsequently shifted to the Northward on all our coasts, and blew with the force of a moderate to strong gale generally. By the end of the week, however, it had backed to the Westward in the north-west, with a gradually falling barometer.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.



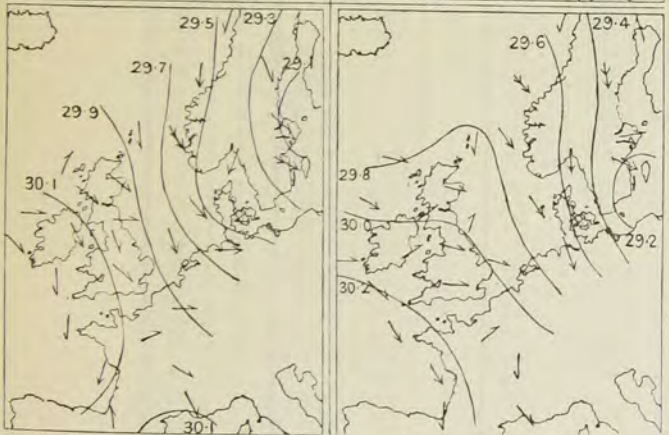
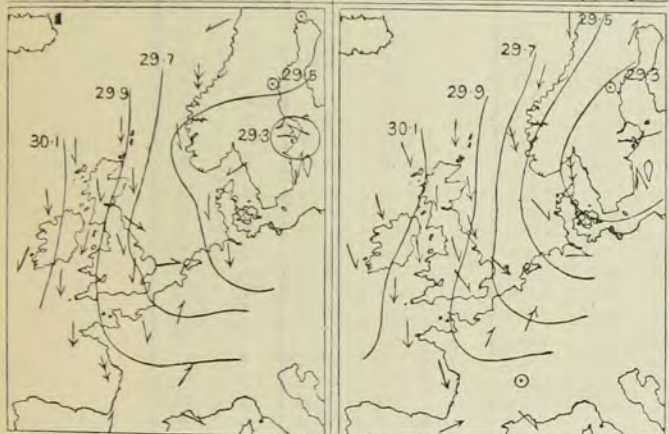
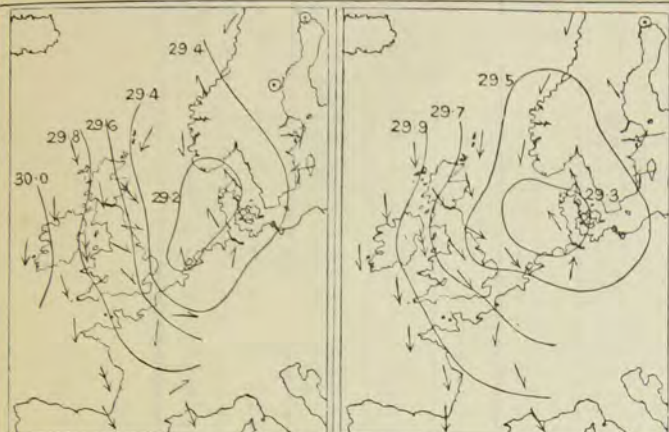
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, October 11.

Weather rainy in the north and east of Scotland, and showery at some of our north-western stations, but much finer in the south and east of England. Rain extending to our southern stations later, and lightning occurring at Cambridge and in London.

Temperature fallen several degrees over England, but risen a little in Scotland; readings ranging from 47° at Scilly to 35° at York and Loughborough and 34° at Parsonstown. Maxima below 50° at all but our western and south-western stations.

Wind moderate South-Easterly in Denmark but strong to gale from North or North-West in our Islands and France.

Sea rough on nearly all coasts.

Barometer falling in Norway and Denmark, but rising elsewhere. Complex area of low pressure lying over eastern shores of the North Sea. Rise extending to Norway and Denmark later.

Sunday, October 12.

Weather rainy on the shores of the Baltic, but fair in most other localities, with, however, showers locally. Showers falling generally later.

Temperature risen in most places; readings ranging from 50° at Scilly to 35° at Parsonstown. Maxima below 55° generally and below 50° at most of our northern stations.

Wind Northerly generally, and strong to a gale on many of the exposed parts of our coasts. Moderating a little in force later.

Sea rough on nearly all coasts.

Barometer falling a little in Sweden, but rising elsewhere. Area of low pressure lying over the Baltic and south of Sweden, and highest pressures off the west of Ireland. No important change later.

Monday, October 13.

Weather dull and rainy in Sweden as well as in the north and north-west of our Islands, but fair or fine elsewhere. Rain extending to our southern and eastern stations later. Bright parhelia seen at Holyhead in afternoon.

Temperature risen slightly in west and north, fallen elsewhere; readings varying from 50° at Scilly to 37° at Loughborough and Oxford.

Wind South-Westerly in extreme north-west, but North-Westerly or Northerly elsewhere; moderate in force in our Islands, but strong in Norway and Denmark.

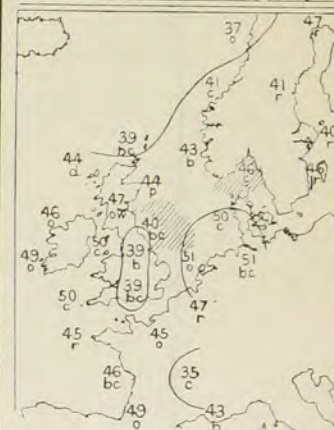
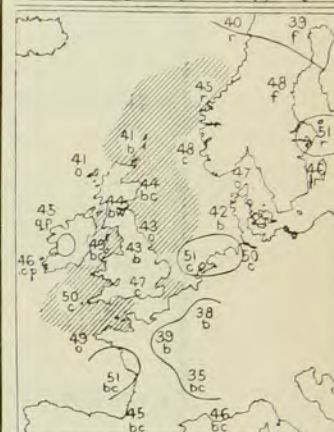
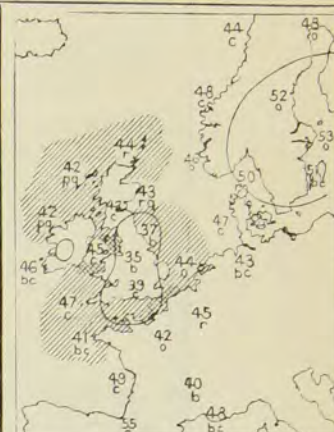
Sea rough off the east of England, but moderate or slight on our other coasts.

Barometer falling in Sweden and also on our extreme north and north-west coasts, rising elsewhere. Pressure highest south of Ireland and lowest over the Baltic. Shallow depression subsequently appearing over Scotland, and barometer falling at all our northern stations.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 161 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
O. SCOTLAND, N.	Sumburgh Head	54	35	43.9	41.7	45.2	- 2.3	5	1.19	+0.20	*	*
	Stornoway	57	34	43.9	39.1	43.9	- 3.0	7	1.16	+0.09	16	22
	Wick	52	33	49.4	40.0	44.6	- 2.6	6	1.37	+0.69	*	*
1. SCOTLAND, E.	Nairn	53	34	48.7	40.4	44.4	- 3.7	6	1.05	+0.48	*	*
	Aberdeen	54	35	50.3	40.4	45.2	- 2.7	6	1.87	+1.17	5	7
	Leith	53	33	50.1	38.9	44.3	- 4.6	4	0.70	+0.23	*	*
2. ENGLAND, N.E.	Alnwick Castle	53	33	49.0	37.0	42.8	- 5.6	5	1.44	?	*	*
	Shields	53	32	50.3	37.9	43.9	- 5.3	6	1.37	+0.79	*	*
	Scarborough	53	36	51.4	41.8	46.5	- 3.2	5	1.52	+0.86	*	*
	York	59	33	51.4	37.0	44.0	- 6.4	5	0.31	-0.29	19	25
	Spurn Head	57	37	51.0	42.1	46.4	- 4.0	5	1.27	?	*	*
3. ENGLAND, E.	Hillington	61	32	52.4	40.8	46.4	- 3.9	6	2.08	+1.54	21	28
	Yarmouth	47	39	51.3	43.9	47.3	- 4.6	7	3.76	+3.18	*	*
	Geldeston	59	37	53.9	42.4	48.0	- 4.0	6	3.26	+2.76	21	28
	Cambridge	62	31	53.4	38.6	45.8	- 6.2	6	1.11	+0.61	29	38
	Rothamsted	60	34	52.0	39.7	45.7	- 5.7	6	1.40	+0.75	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	61	32	51.0	38.0	44.3	- 6.2	6	0.38	-0.27	*	*
	Loughborough	59	34	50.7	37.7	44.0	- 6.3	6	0.56	-0.10	*	*
	Leicester	60	35	52.0	38.9	45.3	- 5.0	6	0.97	+0.37	17	22
	Cheadle	57	31	49.0	35.4	42.0	- 7.5	5	0.62	?	*	*
	Churchstoke	57	32	49.2	36.0	42.4	- 7.8	4	1.56	?	15	20
	Hereford	58	33	51.0	38.1	44.4	- 6.4	5	0.84	+0.14	*	*
	Cirencester	57	32	49.3	36.3	42.6	- 8.3	5	0.64	-0.12	26	34
	Oxford	59	36	51.1	40.1	45.4	- 5.8	5	0.70	+0.10	27	36
5. ENGLAND, S.	London†	61	37	52.7	42.0	47.2	- 5.4	6	0.75	+0.14	20	26
	Marlborough	59	30	51.7	35.9	43.6	- 7.2	6	0.62	-0.16	27	36
	Stratfield Turgiss	61	32	53.8	35.9	44.3	- 7.7	5	0.65	+0.05	*	*
	Dungeness	57	37	51.7	43.1	47.3	- 5.3	5	1.28	?	*	*
	Hastings (St. Leonard's)	57	38	52.6	42.3	47.3	- 5.3	6	1.95	+1.20	13	17
	Southampton	61	34	54.2	39.2	46.5	- 5.9	6	0.68	-0.08	31	41
6. SCOTLAND, W.	Hurst Castle	60	35	54.3	40.4	47.1	- 5.8	6	0.79	+0.05	*	*
	Laudale (Loch Sunart)	53	35	49.4	38.4	43.7	- 5.8	7	1.50	?	*	*
	Glasgow	52	33	48.0	37.4	42.5	- 5.9	4	1.05	+0.07	9	12
	Ardrossan	57	37	52.7	39.6	46.0	- 3.2	4	0.65	-0.35	*	*
	Silloth (Cumberland)	58	31	51.2	38.7	44.8	- 5.4	4	0.53	-0.36	19	25
7. ENGLAND, N.W.	Douglas (Isle of Man)	57	37	51.2	41.7	46.3	- 3.9	5	0.64	-0.18	30	39
	Newton Reigny (Penrith)	56	29	48.3	35.0	41.5	- 6.9	4	0.45	?	15	20
	Barrow-in-Furness	61	36	52.7	41.1	46.7	- 4.3	3	0.76	?	*	*
	Stonyhurst	58	33	51.7	37.9	44.3	- 5.2	3	0.39	-0.90	23	30
	Blackpool	57	29	51.6	35.8	43.0	- 6.5	3	0.91	-0.10	24	32
	Manchester	58	31	50.2	36.8	43.3	- 7.0	4	0.70	-0.21	*	*
	Liverpool Obs. (Bidston)	58	38	51.1	42.0	46.4	- 5.5	5	0.78	-0.02	*	*
	Llandudno	59	40	52.2	43.4	47.7	- 5.0	6	0.54	-0.38	15	20
	Holyhead	56	39	51.7	44.4	47.9	- 4.8	6	0.81	-0.24	*	*
	Llandoverly	60	34	51.1	38.1	44.4	- 7.9	6	1.86	?	*	*
8. ENGLAND, S.W.	Pembroke	58	42	51.7	45.0	48.3	- 4.6	6	1.30	+0.35	24	32
	Arlington (N. Devon)	56	34	49.9	38.9	44.2	- 7.6	6	2.00	?	*	*
	Cullompton	58	29	52.6	38.5	45.3	- 7.0	6	0.66	?	19	25
	Falmouth	58	41	52.6	44.0	48.2	- 5.7	6	1.26	-0.03	26	34
	Plymouth	58	35	52.7	41.2	46.8	- 6.6	6	1.24	+0.46	20	26
	Prawle Point	61	35	53.7	40.9	47.1	- 5.7	5	0.74	?	*	*
9. IRELAND, N.	Londonderry	63	36	51.1	39.2	45.0	- 4.5	7	1.49	+0.58	*	*
	Mullaghmore	54	39	50.3	42.6	46.3	- 3.4	7	1.15	?	*	*
	Belmullet	54	40	50.6	41.9	46.1	- 4.5	7	2.10	?	*	*
	Markree Castle	53	34	50.3	38.1	44.0	- 5.5	7	1.69	+0.84	16	21
	Brookeborough	57	33	49.1	36.4	42.6	- 6.5	7	1.02	?	*	*
	Armagh	56	34	50.3	38.7	44.3	- 5.2	7	0.71	-0.00	19	25
	Donaghadee	56	38	50.7	42.0	46.2	- 4.5	6	0.71	-0.07	*	*
10. IRELAND, S.	Dublin	55	34	50.7	39.8	45.1	- 5.6	4	0.34	-0.46	30	39
	Parsonstown	52	32	49.7	35.4	42.3	- 7.9	6	0.61	-0.15	22	29
	Kilkenny (The Castle)	55	34	50.0	38.6	44.1	- 6.7	3	0.28	?	*	*
	Waterford	60	34	53.1	39.0	45.8	- 5.1	2	0.10	-0.83	*	*
	Roche's Point	57	36	52.4	42.6	47.4	- 5.0	5	0.29	-0.70	*	*
	Valencia	59	41	54.0	43.6	48.7	- 4.6	7	1.18	-0.19	31	41
CHANNEL ISLANDS	Foynes	54	37	50.6	39.7	45.0	- 6.1	3	0.48	?	*	*
	Seilly (St. Mary's)	58	41	53.4	47.1	50.2	- 5.6	5	0.70	-0.22	*	*
	Jersey (Noirmont)	60	39	54.3	45.7	49.9	- 5.9	7	1.88	+0.93	30	39

Stations marked ft are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

ERRATA.—The total amount of Rainfall at Hillington for the week ending October 6th was wrongly reported. It should have been "03" and the "Difference from the Mean" "-0.54."

NOTES.—It will be observed that Belmullet has been added to the list of stations in "Ireland, N." The reports from Birmingham (Oscott) have now ceased.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY J. D. POTTER, 31, POULTRY, AND 11, KING STREET, TOWER HILL, AND E. STANFORD, 55, CHARING CROSS.

VOL. I. No. 42.]
New Series.

WEEK ENDING MONDAY, 20TH OCTOBER, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1868-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 168.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	58	37	52.9	43.6	43.1	2 above.	Day deg. 43	Day deg. 1850	Day deg. 0	Day deg. 401
	1. SCOTLAND, EAST	62	40	57.3	45.6	51.3	5 above.	65	2452	0	336
	2. ENGLAND, N.E.	64	38	57.5	46.0	51.5	4 above.	67	2634	0	290
	3. ENGLAND, EAST	62	34	57.8	45.3	51.4	2 above.	66	3073	0	321
	4. MIDLAND COUNTIES	65	33	59.0	45.8	52.2	3 above.	71	2912	0	341
	5. ENGLAND, SOUTH	67	34	60.0	45.9	52.7	2 above.	75	3227	0	191
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	60	43	55.7	48.2	51.9	4 above.	69	2564	0	239
	7. ENGLAND, N.W.	61	39	55.4	49.4	52.4	3 above.	73	2766	0	260
	8. ENGLAND, S.W.	62	37	57.6	48.2	52.7	1 above.	75	3052	0	108
	9. IRELAND, NORTH	61	36	56.1	48.0	52.0	4 above.	70	2642	0	247
	10. IRELAND, SOUTH	65	40	58.6	48.6	53.4	4 above.	80	2959	0	133
	— CHANNEL ISLANDS	60	47	57.4	51.5	54.4	0 (average)	87	3365	0	9
DISTRICTS. (See p. 168.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10ths of In. 6	10ths of In. 3 less.	184	Ins. 28.9	2	1066	3	26	
	1. SCOTLAND, EAST	2	1	5 less.	149	17.8	19	1180	27	30	
	2. ENGLAND, N.E.	2	2	4 less.	127	16.6	20	1164	28	29	
	3. ENGLAND, EAST	1	less than ½	5 less.	122	17.5	11	1395	15	35	
	4. MIDLAND COUNTIES	2	less than ½	6 less.	127	18.5	14	1206	20	30	
	5. ENGLAND, SOUTH	0	—	7 less.	130	18.9	14	1269	20	32	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	3	5	7 less.	173	37.0	10	1115	14	27	
	7. ENGLAND, N.W.	5	3	7 less.	149	25.4	5	1157	7	28	
	8. ENGLAND, S.W.	5	2	9 less.	159	27.4	8	1380	10	34	
	9. IRELAND, NORTH	4	3	6 less.	155	30.5	6	972	8	24	
	10. IRELAND, SOUTH	4	1	9 less.	163	28.1	8	1160	11	29	
	— CHANNEL ISLANDS	6	2	7 less.	168	23.3	15	1606	21	45	

General Remarks.

Weather has continued cloudy or dull in all parts of the Kingdom, though very little rain has fallen.

Temperature has been about equal to the mean in the "Channel Islands", but from 1° to 3° above it in most of the English districts, 4° above over Ireland and in "Scotland, W.", and 5° in "Scotland, E." The maxima were very generally recorded on the 16th or 17th, and varied from 58° in "Scotland, N." to 65° in the "Midland Counties" and "Ireland, S.", and to 67° in "England, S." The minima, which were registered either on the first or last day of the period, ranged from 33° or 34° over eastern, central, and southern England, to 43° in "Scotland, W." and 47° in the "Channel Islands".

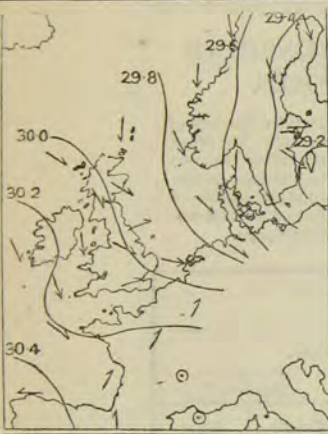
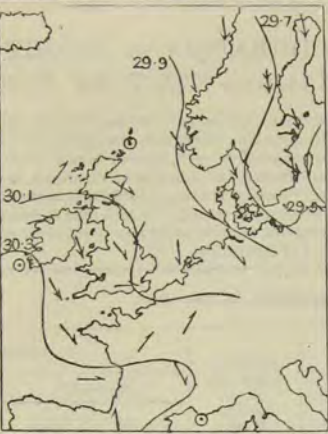
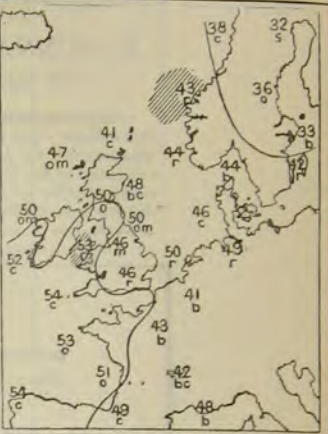
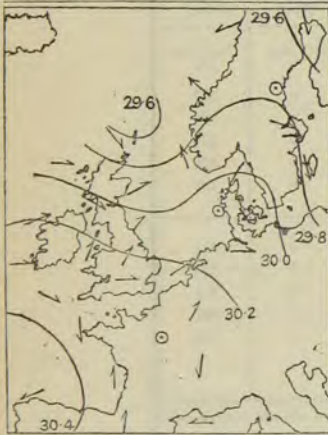
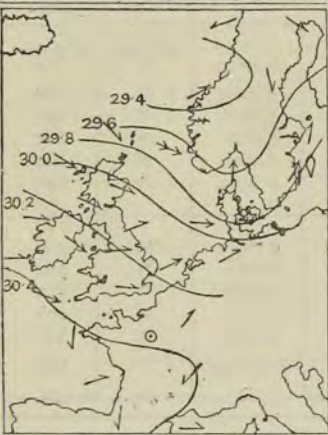
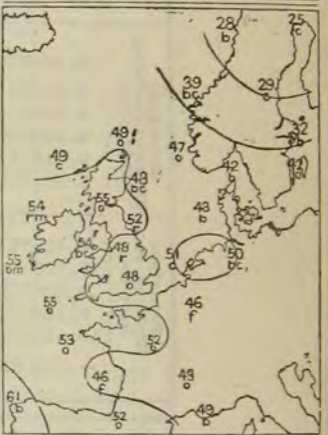
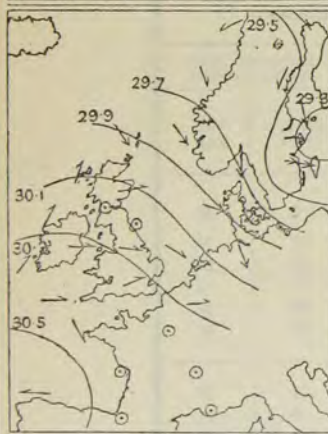
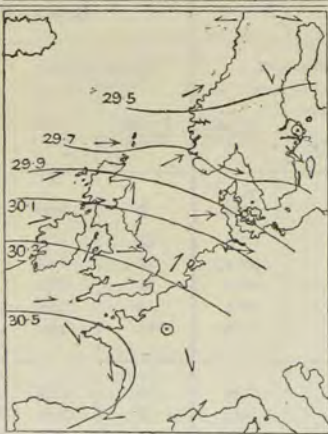
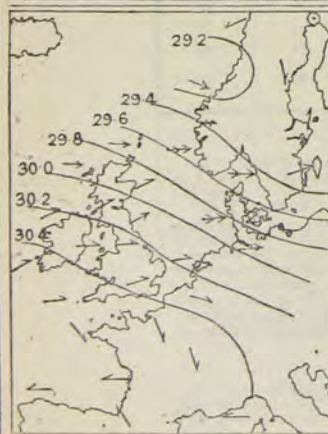
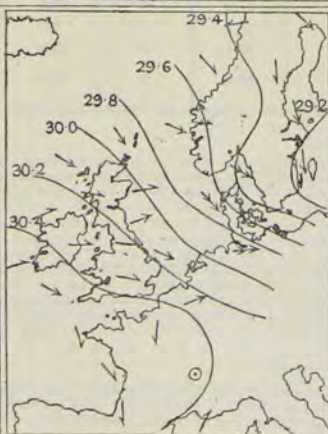
Rainfall has been considerably less than the mean in all districts. Over the greater part of England and Ireland the fall was especially slight.

Bright sunshine has been much less prevalent than for some time past. In "Scotland, N." the percentage of the possible duration was only 3, in "Ireland, S." 8, in "England, N.W." 9, and in "Ireland, S." 11, while the largest percentages were 27 in "Scotland, E." and 28 in "England, N.E."

Depressions observed.—The only depressions observed in our area during this period were some rather well defined systems travelling eastwards to the northward of our Islands and over Scandinavia. During the first part of the time pressure was highest over the Bay of Biscay and the west of France, but as the week progressed the high readings gradually spread to the greater part of England and Ireland. Light or moderate breezes from between west and north-west consequently prevailed generally, but on our extreme western and north-western coasts they occasionally backed to south-west.

* The accumulated values "since January 1st" for this district have been altered a little owing to the receipt of some arrears of observations. ERRATA.—In Report No. 33, 1884, the number of hours of bright sunshine and also the percentage of the possible duration for the "Channel Islands" should be 65 instead of 70, and the number of hours recorded since January 1st in that and each of the subsequent reports should be five hours less. The value in this report is correct.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, October 14. <i>Weather</i> fair in most places, but rain falling at Hurst Castle and in London. Rain falling later in nearly all parts of the Kingdom. <i>Temperature</i> risen generally—most at English stations; readings ranging from 54° at Scilly to 41° in the Shetlands. Thermometer rising to 61° in the south of England during day. <i>Wind</i> light or moderate from West in the east and south of England, but North-Westerly in Ireland and Scotland, and strong from the Northward in Scandinavia. Subsequently backing somewhat on our western coasts. <i>Sea</i> rather rough at Holyhead, moderate or slight elsewhere. <i>Barometer</i> rising in the west and north, but falling in east and south. Large anticyclone over Spain and the Bay of Biscay. Rise taking place generally subsequently.	
		Wednesday, October 15. <i>Weather</i> fair generally, but slight rain falling in the north-east of England and at Wick. Rain falling at many of the English and Irish stations later. <i>Temperature</i> risen over United Kingdom, fallen in Scandinavia; readings ranging from 55° in the south of Scotland and at Valentia, Pembroke, and Scilly, to 46° in the south-east of England. Maxima during day 65° at Roche's Point, 61° at Loughborough, and 60° at Aberdeen and Leith. <i>Wind</i> moderate generally; chiefly Westerly over our Islands and the north of France, but Northerly in Sweden, and Southerly or South-Westerly in Norway. <i>Sea</i> moderate to smooth. <i>Barometer</i> fallen a little in the extreme north of Scotland. Mercury risen steadily elsewhere; large anticyclone still lying over Bay of Biscay, with shallow depression near the Shetlands. Depression moving north-eastwards later.	
		Thursday, October 16. <i>Weather</i> fine in the east of Scotland and south of France; cloudy or overcast elsewhere, with snow at Stockholm and rain at Christiansund and Liverpool. Showers falling on our western coasts later. <i>Temperature</i> fallen east of Scotland, risen slightly elsewhere; readings ranging from 57° at Valencia to 43° at Aberdeen. Highest maxima 64° at Loughborough and Hurst Castle and 63° in London and at Oxford. <i>Wind</i> moderate South-Westerly in extreme west, but light Westerly in east and south and strong North-Westerly on eastern shores of North Sea. <i>Sea</i> rather rough on the Norwegian coasts as well as at Sumburgh Head; slight or smooth elsewhere. <i>Barometer</i> rising at all but the Swedish stations. Anticyclone still lying over the Bay of Biscay, and depression of previous day passing away over the Baltic. Fall of barometer subsequently taking place in north.	
		Friday, October 17. <i>Weather</i> cloudy or overcast generally, with rain at Sumburgh Head and Holyhead, and showers in the south-west of England. Slight rain falling later in the west and north generally. <i>Temperature</i> risen several degrees in the north; readings ranging from 57° at Yarmouth to 48° in the Shetlands. <i>Wind</i> Easterly in the south of France, but generally Westerly elsewhere; moderate to strong in force in our Islands, but blowing a gale in Norway and Denmark. Subsequently veering to North-West in many places. <i>Sea</i> rather rough off the north of Scotland; moderate to smooth on our other coasts. <i>Barometer</i> falling in Scandinavia, Denmark, and the north of Scotland, but rising in England, Ireland, and France. Large anticyclone lying over France and the Bay of Biscay, with two low pressure areas over Scandinavia. Rise taking place in north later, but slight fall setting in over France and Southern England.	

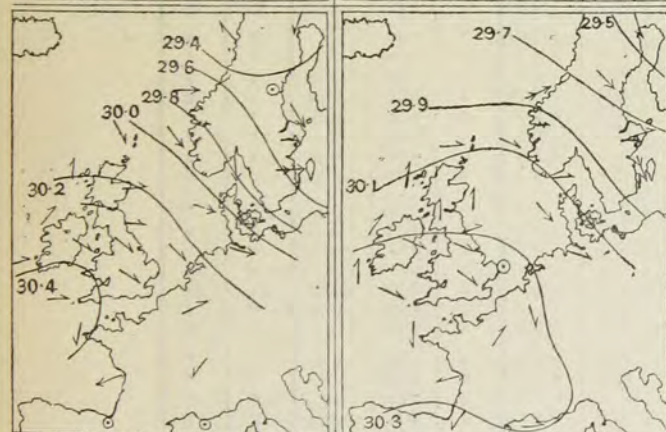
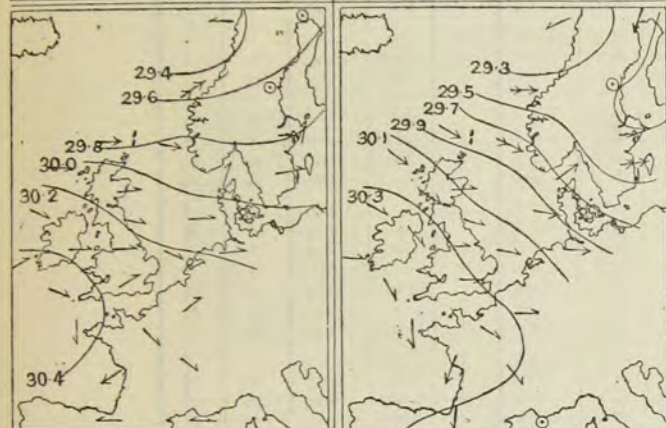
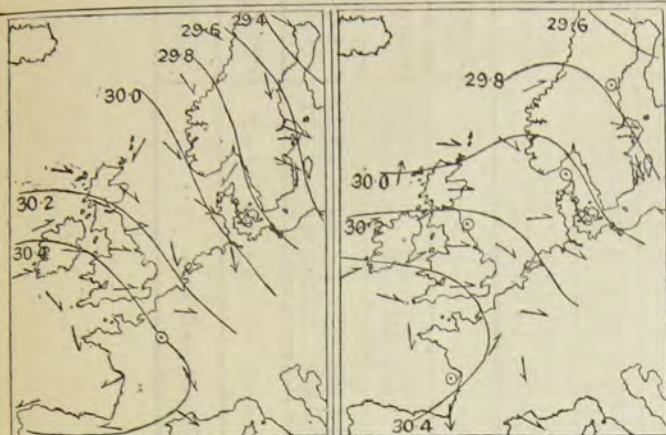
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, October 18.

Weather dull at most of our western and the French stations, but fair or fine elsewhere. A little rain falling in west and north-west later.

Temperature fallen slightly in most places; readings ranging from 56° at Jersey to 45° at Sumburgh Head.

Wind Easterly in south-west of France, but North-Westerly elsewhere; strong in force in Sweden and Denmark, but light or moderate in our Islands. Subsequently backing to South-West on our extreme western and northern coasts.

Sea moderate to smooth.

Barometer rising at all but the French stations. Large anticyclone lying over France, the Bay of Biscay, and our south-west coasts, with lowest pressures in north of Sweden. Slight fall taking place in our Islands later.

Sunday, October 19.

Weather fair on the whole, but a good deal of cloud prevailing locally, and showers falling at some of our western and northern stations.

Temperature fallen several degrees on our northern coasts; readings ranging from 55° at Holyhead, Valencia, and Pembroke to 47° at Wick and Belmullet. Maxima below 60° in most parts of the Kingdom.

Wind North-Easterly in the west of France, but Westerly elsewhere; moderate in force in most places, but strong in the west of Norway.

Sea rough at Sumburgh Head and off the west of Norway, moderate to smooth elsewhere.

Barometer falling at all but our extreme north-western stations. Anticyclone lying off our south-west coasts, with lowest pressures off the west of Norway. Rise taking place in west and north later.

Monday, October 20.

Weather fair generally but rain falling at a few of our western and northern stations.

Temperature fallen slightly; readings ranging from 55° on our south-west coasts to 41° at York. Maxima below 60° in nearly all places and below 55° in central and south-eastern England.

Wind North-Easterly in the west of France, but Westerly or North-Westerly elsewhere. Light or moderate in force generally.

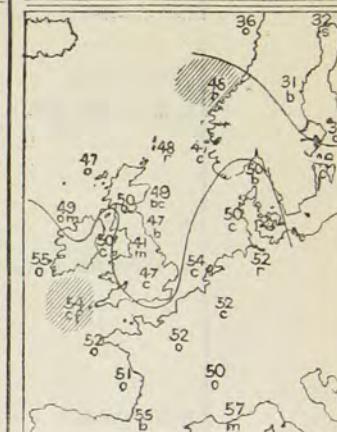
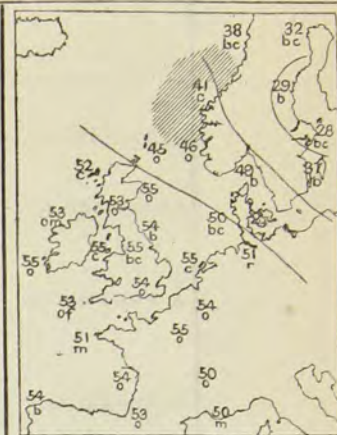
Sea rather rough at Sumburgh Head and Scilly, slight or smooth elsewhere.

Barometer rising at all but the Swedish stations. Anticyclone still lying over our south-west coasts, and large low pressure area over the north of Scandinavia. No important change later.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isolars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 165 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	53	37	51.1	42.1	46.5	0.0	7	Inches. 0.89	Inches. -0.15	*	*
	Stornoway	55	42	52.9	45.1	48.9	+ 3.1	5	0.39	-0.72	2	3
	Wick	58	42	54.7	43.7	49.0	+ 3.1	4	0.57	-0.13	*	*
1. SCOTLAND, E.	Nairn	60	44	56.4	46.7	51.4	+ 4.7	2	0.08	-0.47	*	*
	Aberdeen	62	40	58.1	44.2	50.9	+ 4.5	3	0.19	-0.47	19	27
	Leith	60	41	57.4	45.9	51.5	+ 4.4	0	—	-0.45	*	*
2. ENGLAND, N.E.	Alnwick Castle	60	40	56.7	45.3	50.8	+ 3.9	1	0.35	?	*	*
	Shields	61	38	57.4	45.3	51.2	+ 3.5	2	0.12	-0.45	*	*
	Scarborough	64	43	58.5	47.3	52.7	+ 5.0	1	0.10	-0.55	*	*
	York	62	38	59.6	43.7	52.4	+ 3.7	3	0.15	-0.42	20	28
3. ENGLAND, E.	Spurn Head	57	40	55.1	46.4	50.6	+ 2.0	2	0.08	?	*	*
	Hillington	61	38	58.2	44.6	51.2	+ 2.4	1	0.01	-0.51	15	21
	Yarmouth	60	41	56.3	45.7	50.8	+ 0.6	2	0.03	-0.56	*	*
	Geldeston	62	39	58.4	46.2	52.1	+ 1.7	0	—	-0.50	8	11
	Cambridge	62	36	58.4	45.4	51.7	+ 1.6	0	—	-0.49	9	12
	Rothamsted	62	34	57.9	44.6	51.1	+ 1.8	1	0.01	-0.64	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	64	38	59.6	44.4	51.8	+ 2.6	3	0.11	-0.53	*	*
	Loughborough	64	37	59.9	46.0	52.7	+ 4.2	2	0.02	-0.62	*	*
	Leicester	65	40	59.8	47.2	53.3	+ 4.8	2	0.03	-0.55	10	14
	Cheadle	62	41	55.4	46.6	50.9	+ 3.3	4	0.10	?	*	*
	Churchstoke	63	33	59.0	45.9	52.3	+ 3.9	1	0.03	?	17	24
	Hereford	65	35	61.0	45.6	53.1	+ 3.9	1	0.01	-0.69	*	*
	Cirencester	62	35	58.0	44.4	51.0	+ 1.7	0	—	-0.73	19	26
5. ENGLAND, S.	Oxford	63	37	59.1	45.9	52.3	+ 2.5	0	—	-0.61	10	14
	London†	63	37	58.7	46.0	52.2	+ 1.5	0	—	-0.60	6	8
	Marlborough	64	36	59.9	44.2	51.8	+ 2.5	0	—	-0.74	17	23
	Stratfield Turgiss	65	34	60.5	43.0	51.5	+ 1.1	0	—	-0.61	*	*
	Dungeness	62	37	58.9	45.9	52.2	+ 0.6	0	—	?	*	*
	Hastings (St. Leonard's)	66	41	59.5	47.7	53.4	+ 2.5	1	0.02	-0.75	16	22
	Southampton	67	40	62.0	47.5	54.5	+ 3.4	0	—	-0.75	18	25
6. SCOTLAND, W.	Hurst Castle	61	37	60.6	46.7	53.4	+ 1.9	1	0.01	-0.70	*	*
	Laudale (Loch Sunart)	56	45	54.7	48.1	51.3	+ 3.4	7	1.19	?	*	*
	Glasgow	56	43	54.9	46.5	50.6	+ 4.0	1	0.17	-0.81	10	14
	Ardrossan	58	43	56.1	47.9	51.9	+ 4.3	3	0.41	-0.61	*	*
	Silloth (Cumberland)	59	45	56.5	48.4	52.3	+ 3.9	1	0.27	-0.59	7	10
	Douglas (Isle of Man)	60	46	56.6	50.0	53.2	+ 3.8	5	0.31	-0.57	13	18
7. ENGLAND, N.W.	Newton Reigny (Penrith)	58	42	55.0	47.9	51.4	+ 4.6	3	0.23	?	6	8
	Barrow-in-Furness	57	39	55.3	50.0	52.6	+ 3.1	5	0.34	?	*	*
	Stonyhurst	57	40	54.8	46.5	50.5	+ 2.5	6	1.01	-0.29	4	6
	Blackpool	58	44	55.1	50.7	52.8	+ 2.7	4	0.19	-0.86	5	7
	Manchester	58	42	54.9	48.6	51.7	+ 2.9	4	0.31	-0.59	*	*
	Liverpool Obs (Bidston)	61	44	55.3	50.0	52.6	+ 2.5	4	0.13	-0.67	*	*
	Llandudno	60	48	56.4	50.7	53.5	+ 2.6	5	0.16	-0.79	5	7
8. ENGLAND, S.W.	Holyhead	59	45	56.4	51.1	53.7	+ 2.3	6	0.17	-0.95	*	*
	Llandovery	61	33	58.0	47.6	52.7	+ 1.4	5	0.21	?	*	*
	Pembroke	57	46	55.7	50.9	53.2	+ 0.8	6	0.18	-0.80	6	8
	Arlington (N. Devon)	57	43	55.7	47.3	51.4	+ 1.1	6	0.39	?	*	*
	Cullompton	62	40	60.0	46.8	53.2	+ 2.6	3	0.04	?	9	12
	Falmouth	59	47	57.4	50.3	53.8	+ 1.3	5	0.10	-1.20	12	16
	Plymouth	60	37	58.5	47.3	52.7	+ 0.6	3	0.05	-0.78	3	4
9. IRELAND, N.	Prawle Point	61	42	57.6	47.0	52.1	- 0.9	5	0.08	?	*	*
	Londonderry	59	45	56.5	48.1	52.2	+ 4.3	4	0.24	-0.69	*	*
	Mullaghmore	60	45	56.3	49.4	52.8	+ 4.9	6	0.56	?	*	*
	Belmullet	55	41	54.0	48.7	51.7	+ 1.4	4	0.34	?	*	*
	Markree Castle	61	36	57.2	46.8	51.9	+ 4.1	4	0.15	-0.73	5	7
	Brookeborough	58	41	55.5	47.2	51.2	+ 4.0	2	0.21	?	*	*
	Armagh	59	43	55.7	48.3	51.9	+ 4.3	3	0.11	-0.50	6	8
10. IRELAND, S.	Donaghadee	60	44	56.6	47.6	52.0	+ 2.1	2	0.22	-0.28	*	*
	Dublin	62	40	57.5	48.9	53.1	+ 3.8	3	0.05	-0.80	8	11
	Parsonstown	60	42	57.6	47.7	52.5	+ 4.2	4	0.13	-0.61	4	6
	Kilkenny	62	45	58.1	49.4	53.6	+ 5.0	1	0.04	?	*	*
	Waterford	65	40	60.3	45.4	52.6	+ 1.9	2	0.08	-0.92	*	*
	Roche's Point	65	44	60.0	49.0	54.2	+ 2.8	4	0.04	-0.94	*	*
	Valencia	59	48	58.0	51.4	54.6	+ 2.6	7	0.21	-1.21	11	15
CHANNEL ISLANDS	Foynes §	*	*	*	*	*	*	*	*	*	*	*
	Seilly (St. Mary's)	58	48	53.4	51.6	53.9	- 0.6	6	0.10	-0.80	*	*
	Jersey (Noirmont)	60	47	58.4	51.3	54.8	+ 0.5	5	0.29	-0.67	15	21

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Banhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

§ Return incomplete.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 43.]
New Series.

WEEK ENDING MONDAY, 27TH OCTOBER, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inverse proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 172.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	58	34	51.0	43.6	47.2	2 above.	Day deg. 36	Day deg. 1886	Day deg. 0	Day deg. 401
	1. SCOTLAND, EAST	60	34	53.6	42.0	47.7	3 above.	40	2492	0	386
	2. ENGLAND, N.E.	58	36	53.1	43.1	47.9	2 above.	41	2675	0	290
	3. ENGLAND, EAST	59	28	54.0	38.7	46.2	2 below.	43	3116	9	330
	4. MIDLAND COUNTIES	59	34	53.3	40.3	46.6	0 (average).	39	2951	5	346
5. ENGLAND, SOUTH	61	33	56.2	42.8	49.3	0 (average).	51	3278	0	191	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	57	36	53.6	44.3	48.9	3 above.	48	2612	0	239
	7. ENGLAND, N.W.	59	35	53.3	44.5	48.7	1 above.	47	2813	0	260
	8. ENGLAND, S.W.	60	35	56.3	46.4	51.3	1 above.	65	3117	0	168
	9. IRELAND, NORTH	58	31	54.1	43.9	48.8	2 above.	48	2690	0	247
	10. IRELAND, SOUTH	61	29	55.6	44.6	49.9	2 above.	55	3014	0	133
	— CHANNEL ISLANDS	59	45	57.0	49.6	53.2	1 above.	78	3443	0	9
DISTRICTS. (See p. 172.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of In. 15	10ths of In. 6 more.	188	Ins. 30.4	11	1077	17	26	
	1. SCOTLAND, EAST	3	4	2 less.	153	18.2	22	1202	33	30	
	2. ENGLAND, N.E.	2	2	4 less.	129	16.8	11	1175	16	28	
	3. ENGLAND, EAST	3	2	4 less.	125	17.7	25	1420	37	35	
	4. MIDLAND COUNTIES	3	3	3 less.	130	18.8	15	1221	22	30	
5. ENGLAND, SOUTH	2	1	6 less.	132	19.0	26	1295	37	32		
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	4	14	1 less.	177	38.4	10	1125	14	27	
	7. ENGLAND, N.W.	3	8	1 less.	152	26.2	9	1166	14	28	
	8. ENGLAND, S.W.	3	3	7 less.	162	27.7	12	1392	17	34	
	9. IRELAND, NORTH	5	12	3 more.	160	31.7	9	981	12	24	
	10. IRELAND, SOUTH	5	8	2 less.	168	28.9	11	1171	15	29	
	— CHANNEL ISLANDS	3	1	9 less.	171	23.4	31	1722	44	45	

General Remarks.

Weather during the first part of this period was generally fine and dry, but subsequently became rough, squally, and rainy, with great oscillations in temperature. At several of our northern and north-western stations hail or sleet showers were reported.

Temperature has been a little below the mean in "England, E.", and about equal to it in the "Midland Counties" and "England, S.", but in all other districts it has been slightly in excess of its normal value. The maxima, which were registered on different dates in the various districts, ranged from 57° in "Scotland, W." to 60° in "Scotland, E." and "England, S.W." and 61° in "England, S." and "Ireland, S." The minima were recorded, with few exceptions, on the 25th, when the thermometer fell to 28° in "England, E.", 29° in "Ireland, S.", 31° in "Ireland, N.", and to between 33° and 36° in most other districts; in the "Channel Islands", however, 45° was the lowest reading.

Rainfall has been more than the mean in "Scotland, N." and "Ireland, N.", but less elsewhere. In the south and east of England and in the "Channel Islands", the fall has been very slight.

Bright sunshine has been more prevalent than it was last week in nearly all districts, the percentages of possible duration varying from between

12 and 17 in the west and north, to 37 in "England, E." and "England, S.", and to 44 in the "Channel Islands."

Depressions observed.—During the earlier days of this period the high pressure area which had been established over France and the greater part of England and Ireland moved slowly eastwards, and depressions travelled northwards outside our extreme western coasts. The wind consequently shifted to the southward at all our stations and blew freshly in the west. By 8 A.M. on the 24th the conditions had become very irregular. A second area of high pressure had appeared off the west of Ireland, while an ill-defined disturbance was shown over the Bay of Biscay, and another low pressure system off the north of Scotland. This distribution, however, was of short duration, as from the 25th till the end of the week (the barometer being now highest over France), some large and unusually deep depressions travelled quickly in a north-easterly direction to the northward of our Islands and over Scandinavia, producing strong winds and gales from between south and west or north-west in all parts of the Kingdom. The chief force of the gales was experienced on our north-western and northern coasts on the 26th, and again on the night of the 27th.

* This value has been altered slightly owing to an error in the telegrams from Leith.

ERRATUM.—In the Report for last week the number of hours of Bright Sunshine since January 1st in the "Channel Islands" should be 1691.

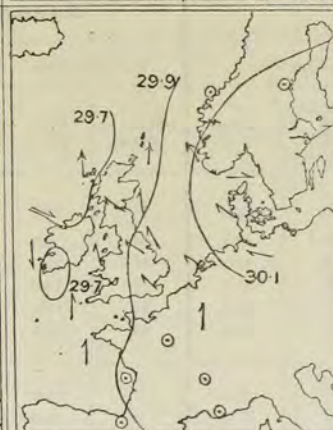
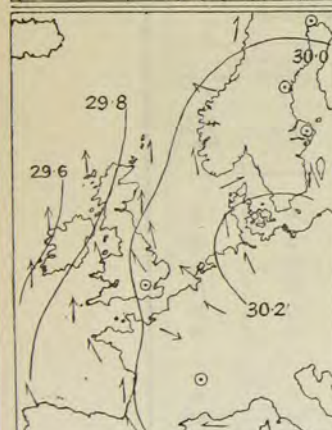
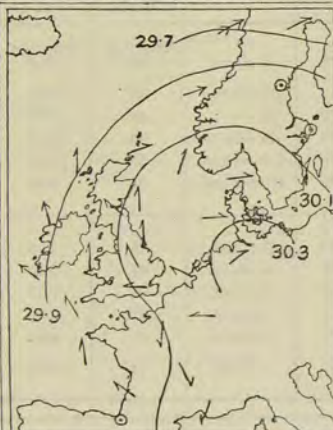
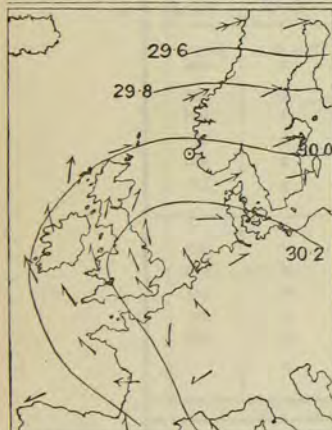
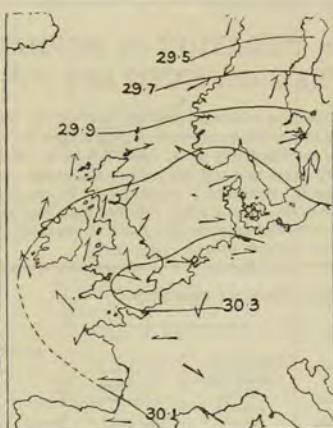
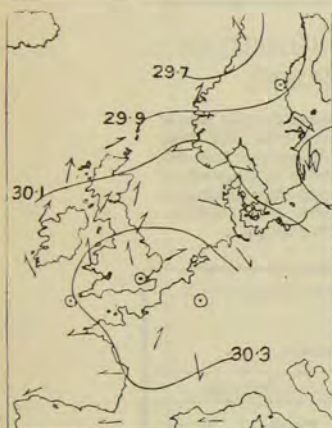
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, October 21.

Weather dull in Ireland, England, and the west of Scotland, with fog over our midland and south-eastern counties; fine at most of the Continental stations. Fog clearing later.

Temperature risen slightly in our Islands, but fallen in France; readings ranging from 54° at Parsonstown and Scilly to 48° over central and south-eastern England. Highest maxima 60° at Aberdeen and 59° at Leith. Thermometer in London not exceeding 54°.

Wind light and variable on our south-east coasts; moderate Easterly in France, and fresh Southerly or South-Westerly on our western and northern coasts.

Sea rather rough at Stornoway and Valencia, moderate to smooth elsewhere.

Barometer falling in most parts of our Islands and France but rising in Scandinavia and Denmark. Anticyclone lying over England and France, with depression off the west of Norway and others passing along in a northerly direction to the westward of the Irish and Scotch coasts.

Wednesday, October 22.

Weather fair on the whole, but misty at many of the English stations. Slight rain falling later in some parts of Ireland.

Temperature little changed; readings ranging from 55° at Valencia, Roche's Point, and Scilly to 39° at Aberdeen.

Wind moderate Easterly at our southern and the French stations, fresh Southerly on our western and northern coasts, and strong South-Westerly or Westerly in Scandinavia.

Sea rather rough at Stornoway and Valencia, moderate to smooth elsewhere.

Barometer falling generally. Anticyclone of previous day now lying to the eastward and south-eastward of our Islands, with lowest pressures in the north of Scandinavia. Depressions continuing to pass along outside our western and northern coasts.

Thursday, October 23.

Weather foggy over central England and cloudy on our west coasts, but fair or fine elsewhere. Heavy rain falling in Ireland later, but fog clearing at the English stations.

Temperature fallen a little; readings ranging from 56° at Valencia to 39° at Loughborough.

Wind South-Easterly or Southerly; strong in force in Ireland and the west of Scotland, but moderate or fresh elsewhere. Subsequently shifting to North-West in Ireland, and falling light.

Sea rough on our west and north-west coasts; moderate to smooth elsewhere.

Barometer falling at all but the Scandinavian stations. Anticyclone over Denmark and North Germany, and depression off the west of Ireland. Latter subsequently moving northwards, but secondary disturbance forming over the south of Ireland.

Friday, October 24.

Weather fine along our east coasts, but cloudy or overcast elsewhere, with fog over central England and rain in some parts of Ireland. Fog clearing later, and rain ceasing.

Temperature fallen a little in most places; readings ranging from 56° at Scilly and Prawle Point to 39° at Cambridge.

Wind Northerly in Ireland and South-Westerly in the north of Scotland, but Southerly or South-Easterly elsewhere; moderate or fresh in force generally in morning, but subsequently falling light.

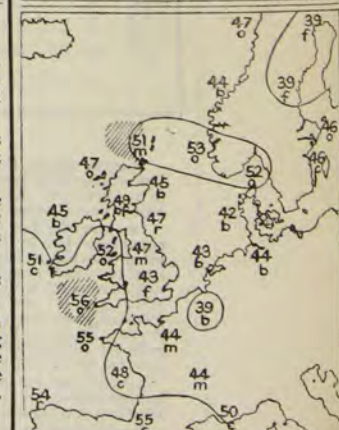
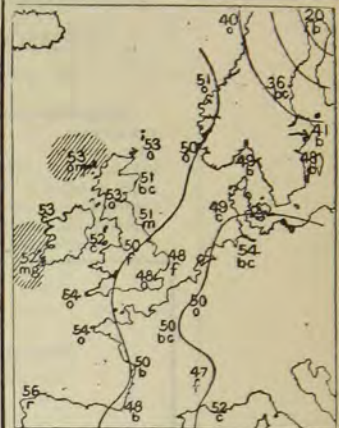
Sea rough at Sumburgh Head, Mullaghmore, and Scilly; moderate to smooth elsewhere.

Barometer falling over England and France, but rising on our western and northern coasts. Anticyclone lying over Baltic, and second area of relatively high pressure off the west of Ireland. Area of low readings off the north of Scotland and another over the Bay of Biscay. Rise taking place generally later.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



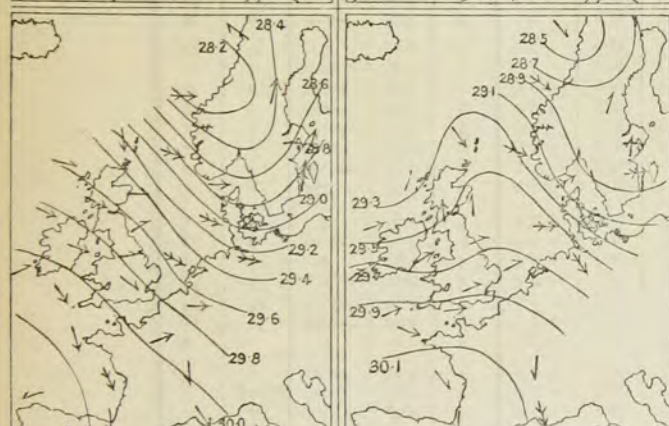
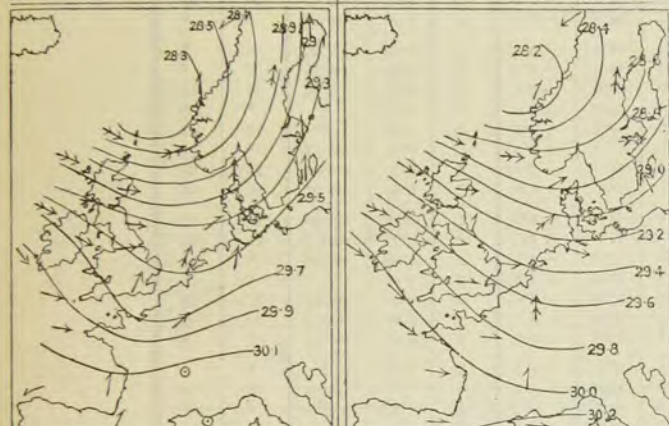
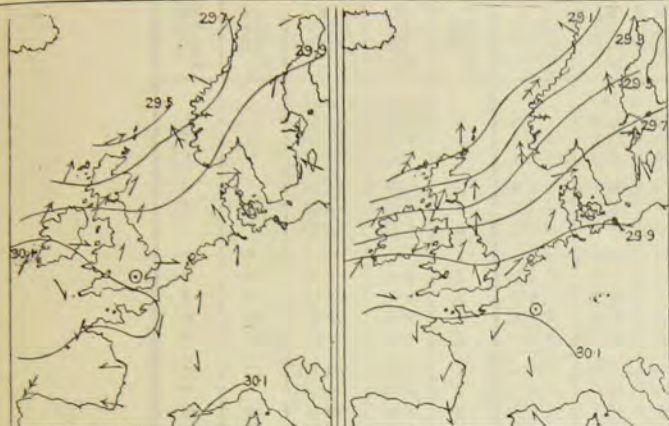
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, October 25.

Weather foggy over the midland and eastern counties, and fair at our south-western and the French stations, but cloudy elsewhere, with rain in the north.

Temperature risen a little in the north but fallen in the south; readings ranging from 55° at Scilly to 36° at Loughborough and Dungeness.

Wind moderate or fresh from South-West over the northern parts of the Kingdom and strong from South in the south of Norway, but moderate from East in the west of France.

Sea rough at Scilly, and rather rough at Sumburgh Head and Mullaghmore.

Barometer falling briskly north, rising south. High pressure areas lying respectively over the Baltic and our south-west coasts, with depression off the north of Scotland. Deep depression subsequently advancing towards our extreme northern coasts, and barometer falling rapidly in the north.

Sunday, October 26.

Weather squally and showery in most places. Some improvement taking place later in east and south, but hail falling in north and north-west. Lightning occurring in north-west at night.

Temperature fallen a few degrees in Scotland, but risen elsewhere; readings ranging from 57° in London to 42° in the north and east of Scotland. Fall taking place over England later.

Wind North-Westerly in Ireland and Scotland but Westerly in England and France, and South-Westerly or Southerly on the eastern shores of the North Sea; fresh or strong in force generally. Subsequently veering to North-West in all parts of our Islands.

Sea rough or high on nearly all coasts.

Barometer rising west and north, falling elsewhere. Large and very deep depression, with readings considerably below 28.3 ins., lying some distance to the northward of the Shetlands. Disturbance subsequently moving north-eastwards and barometer rising in all parts of our Islands.

Monday, October 27.

Weather rainy in the west of Norway, and showery, with hail, on our extreme north and north-west coasts, but fine elsewhere. Rain falling later at all our western stations, and sky clouding over generally.

Temperature fallen several degrees; readings ranging from 51° at Scilly to 34° at Nairn. General rise taking place later.

Wind South-Westerly in Sweden but Westerly or North-Westerly elsewhere, fresh or strong in force generally, with a gale on eastern shores of North Sea. Subsequently backing to the South-Westward over our Islands and increasing to gale in many places.

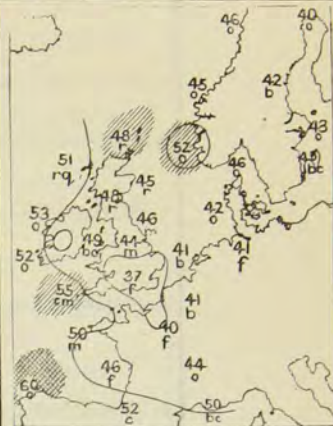
Sea high off the south of Norway and rough on our own coasts.

Barometer rising at all but the Swedish stations. Deep depression of previous day now lying between Bodo and Christiansund, but new disturbance advancing towards our north-west coasts later, and barometer again falling in all parts of our Islands.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 169 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	55	34	49.9	43.9	46.8	+ 1.6	5	1.22	+0.19	•	•
	Stornoway	56	34	51.4	44.1	47.6	+ 2.9	5	2.14	+1.03	11	17
	Wick	53	35	51.7	42.9	47.2	+ 2.5	3	1.17	+0.47	•	•
1. SCOTLAND, E.	Nairn	59	34	52.6	43.9	48.1	+ 2.9	3	0.58	+0.03	•	•
	Aberdeen	60	35	53.4	39.9	46.5	+ 1.5	4	0.34	-0.31	22	33
	Leith	59	36	51.9	42.3	48.4	+ 3.1	3	0.17	-0.30	•	•
2. ENGLAND, N.E.	Alnwick Castle	57	38	52.3	41.6	46.8	+ 1.5	0	—	?	•	•
	Shields	58	36	51.3	43.0	48.5	+ 2.2	2	0.05	-0.51	•	•
	Scarborough	55	39	51.8	44.0	47.8	+ 1.9	3	0.29	-0.36	•	•
	York	57	37	51.1	42.0	47.9	+ 1.0	3	0.28	-0.28	11	16
	Spurn Head	54	40	52.9	41.7	48.7	+ 1.6	3	0.17	?	•	•
3. ENGLAND, E.	Hillington	57	31	53.2	37.0	44.9	- 2.4	3	0.38	-0.17	22	32
	Yarmouth	55	36	53.7	42.0	47.7	- 0.7	3	0.22	-0.38	•	•
	Geldeston	58	31	54.4	38.3	45.4	- 2.2	3	0.27	-0.34	30	43
	Cambridge	59	28	55.9	37.0	46.2	- 1.9	1	0.09	-0.39	24	35
	Rothamsted	55	30	52.7	39.2	45.8	- 1.4	4	0.09	-0.53	•	•
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	57	34	51.0	38.4	46.0	- 1.4	3	0.45	-0.16	•	•
	Loughborough	56	34	53.1	39.4	45.1	- 0.5	3	0.30	-0.30	•	•
	Leicester	55	35	52.4	40.0	43.0	- 0.6	3	0.41	-0.14	10	14
	Cheadle	51	38	49.1	41.2	45.0	- 0.8	3	0.63	?	•	•
	Churchstoke	56	36	53.5	40.2	46.7	+ 0.2	3	0.28	?	15	22
	Hereford	58	34	55.1	41.3	48.0	+ 0.5	1	0.01	-0.67	•	•
	Cirencester	59	34	53.7	40.4	46.9	- 0.5	4	0.27	-0.43	14	20
	Oxford	58	38	55.3	41.1	48.0	+ 0.3	1	0.03	-0.57	21	30
5. ENGLAND, S.	London†	60	36	57.0	42.0	49.3	+ 0.6	1	0.02	-0.56	15	22
	Marlborough	57	37	54.4	40.0	47.0	- 0.2	2	0.25	-0.47	21	30
	Stratfield Turgiss	61	35	56.5	39.5	47.8	- 0.5	2	0.04	-0.56	•	•
	Dungeness	57	33	56.4	43.6	49.8	+ 0.5	2	0.15	?	•	•
	Hastings (St. Leonard's)	58	40	55.4	45.4	50.3	+ 0.8	2	0.08	-0.69	37	54
	Southampton	60	42	57.0	44.0	50.3	+ 0.5	2	0.02	-0.70	30	43
	Hurst Castle	58	42	56.9	45.0	50.8	+ 0.8	2	0.05	-0.65	•	•
6. SCOTLAND, W.	Laudale (Loch Sunart)	56	38	51.1	44.1	49.0	+ 2.6	5	3.53	?	•	•
	Glasgow	55	36	53.1	43.1	48.0	+ 3.6	4	0.82	-0.13	7	10
	Ardrossan	55	37	53.6	44.0	48.7	+ 2.7	5	1.34	+0.34	•	•
	Silloth (Cumberland)	57	38	53.2	44.6	48.8	+ 2.1	4	0.86	+0.04	13	19
	Douglas (Isle of Man)	55	37	51.0	45.8	49.8	+ 2.4	3	0.26	-0.64	10	14
7. ENGLAND, N.W.	Newton Reigny (Penrith)	57	35	52.3	41.9	47.0	+ 1.8	3	0.86	?	13	19
	Barrow-in-Furness	56	38	53.1	45.4	49.1	+ 1.3	3	1.29	?	•	•
	Stonyhurst	59	35	53.0	41.8	47.2	+ 0.8	3	1.67	+0.45	8	12
	Blackpool	56	39	53.5	44.1	48.7	+ 0.3	4	0.95	-0.04	8	12
	Manchester	53	36	50.6	43.2	46.6	- 0.4	3	1.02	+0.17	•	•
	Liverpool Obs. (Bidston)	59	42	54.4	45.7	49.9	+ 1.7	3	0.26	-0.49	•	•
	Llandudno	56	42	51.6	45.9	50.1	+ 0.5	3	0.39	-0.56	8	12
	Holyhead	56	44	51.7	48.1	51.3	+ 1.2	4	0.29	-0.78	•	•
8. ENGLAND, S.W.	Llandoverly	58	41	55.3	44.6	49.8	+ 1.0	3	0.69	?	•	•
	Pembroke	57	41	55.6	49.3	52.4	+ 1.5	3	0.08	-0.88	9	13
	Arlington (N. Devon)	58	40	55.1	44.9	49.9	+ 1.6	3	0.73	?	•	•
	Cullompton	58	35	56.4	42.0	49.0	+ 0.2	3	0.13	?	7	10
	Falmouth	58	48	56.3	51.0	53.6	+ 2.5	3	0.13	-1.16	17	24
	Plymouth	59	44	57.9	45.4	51.5	+ 1.0	3	0.04	-0.76	15	21
9. IRELAND, N.	Prawle Point	60	42	57.7	47.7	52.6	+ 1.8	3	0.21	?	•	•
	Londonderry	58	30	55.7	43.8	49.6	+ 3.2	4	1.01	+0.05	•	•
	Mullaghmore	58	42	54.7	45.9	50.7	+ 4.2	4	1.36	?	•	•
	Belmullet	57	42	53.7	47.7	50.6	+ 1.2	5	0.72	?	•	•
	Markree Castle	57	33	54.7	41.4	47.9	+ 2.1	4	1.26	+0.88	10	14
	Brookeborough	56	31	53.5	40.9	47.0	+ 1.7	4	1.78	?	•	•
	Armagh	57	37	53.7	41.7	47.5	+ 2.4	5	1.28	+0.58	7	10
10. IRELAND, S.	Donaghadee	56	37	52.6	41.7	48.5	- 0.2	6	0.74	-0.05	•	•
	Dublin	59	38	56.9	45.2	50.9	+ 3.2	5	0.28	-0.51	14	20
	Parsonstown	53	32	53.7	42.0	47.7	+ 1.2	6	1.33	+0.63	5	7
	Kilkenny	58	29	53.7	41.1	47.2	+ 0.4	4	0.63	?	•	•
	Waterford	59	33	55.0	43.0	48.8	- 0.6	5	0.85	-0.13	•	•
	Roche's Point	58	39	55.9	48.3	51.0	+ 0.9	5	0.43	-0.55	•	•
	Valencia	58	45	56.4	49.3	52.8	+ 2.0	6	1.05	-0.31	13	19
CHANNEL ISLANDS	Foynes	61	39	57.4	45.3	51.2	+ 3.7	3	0.70	?	•	•
	Scilly (St. Mary's)	59	49	57.0	51.3	54.1	+ 1.2	3	0.04	-0.88	•	•
	Jersey (Noirmont)	57	45	56.9	47.9	52.3	- 0.1	2	0.09	-0.86	31	44

Stations marked *fa* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Banhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.
‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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New Series.

WEEK ENDING MONDAY, 3RD NOVEMBER, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 176.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	58	30	48.3	37.5	42.7	1 below.	Day deg. 24	Day deg. 1910	Day deg. 13	Day deg. 414
	1. SCOTLAND, EAST	60	30	51.2	39.9	45.4	2 above.	33	2525	6	392
	2. ENGLAND, N.E.*	61	34	53.8	42.0	47.7	3 above.	40	2715	0	290
	3. ENGLAND, EAST	61	30	54.3	39.6	46.7	1 above.	43	3159	7	337
	4. MIDLAND COUNTIES	62	29	54.8	40.5	47.5	3 above.	45	2996	4	350
	5. ENGLAND, SOUTH	62	25	55.2	41.0	48.4	2 above.	49	3327	3	194
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	59	34	52.1	43.1	47.5	3 above.	39	2651	0	239
	7. ENGLAND, N.W.	62	33	53.8	44.2	48.9	3 above.	48	2861	0	260
	8. ENGLAND, S.W.	60	28	54.9	44.3	49.4	1 above.	52	3169	0	168
	9. IRELAND, NORTH	60	34	51.7	41.3	46.4	1 above.	34	2724	2	249
	10. IRELAND, SOUTH *	62	32	54.3	42.7	48.3	1 above.	44	3058	0	133
	— CHANNEL ISLANDS	59	41	55.9	48.2	51.9	1 above.	69	3512	0	9
DISTRICTS. (See p. 176.)		Rainfall.				Bright Sunshine.					
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of In. 14	10ths of In. 5 more.	195	In. 31.8	17	1094	27	26	
	1. SCOTLAND, EAST	6	5	1 less.	159	18.7	13	1215	21	30	
	2. ENGLAND, N.E.*	1	1	5 less.	130	16.9	12	1187	18	28	
	3. ENGLAND, EAST	3	3	3 less.	128	18.0	21	1441	31	35	
	4. MIDLAND COUNTIES	3	4	2 less.	133	19.2	15	1236	23	30	
	5. ENGLAND, SOUTH	3	4	3 less.	135	19.4	18	1313	26	32	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	6	20	5 more.	183	40.4	14	1139	22	27	
	7. ENGLAND, N.W.	6	6	3 less.	158	26.8	16	1182	25	28	
	8. ENGLAND, S.W.	5	8	2 less.	167	28.5	15	1407	23	33	
	9. IRELAND, NORTH	6	21	13 more.	166	33.8	13	994	19	24	
	10. IRELAND, SOUTH *	6	17	8 more.	174	30.6	18	1189	28	29	
	— CHANNEL ISLANDS	4	7	2 less.	175	24.1	27	1749	40	45	

General Remarks.

Weather has been in a changeable, unsettled condition generally; some heavy falls of rain have occurred in the extreme western and northern parts of the Kingdom, but in the south and east several bright intervals have been experienced and the rainfall has been slight.

Temperature has fluctuated considerably, but, on the whole, has been a little below the mean in "Scotland, N.", and between 1° and 3° above it in all other districts. The maxima, which were recorded on different dates in the various localities, ranged from 62° over central, southern, and north-western England and in the south of Ireland, to 58° in the north of Scotland. The minima were registered at most stations on October 29th or November 3rd, and varied from 25° in "England, S." (at Stratfield Turgiss on October 30th), and 28° in "England, S.W.", to 34° in "England, N.E.", "Scotland, W." and "Ireland, N.", and to 44° in the "Channel Islands".

Rainfall has been more than the mean in the north and west of Scotland and over Ireland, but rather less elsewhere.

Bright sunshine shows little change from that recorded last week, the percentages of possible duration varying from 18 in "England, N.E." and 19 in "Ireland, N.", to 31 in "England, E." and 40 in the "Channel Islands".

Depressions observed.—At the commencement of the period, the centre of a deep depression was lying off the east coast of Scotland, producing fresh or strong westerly gales on all our coasts. By the following morning, however, this disturbance had disappeared to the eastward of Sweden, the gales had gradually subsided, and an area of high pressure was extending over France from the southward. During the next two days (the barometer being highest over France and Germany) depressions moved in a north-north-easterly direction outside our western coasts, the wind consequently backing to the Southward or South-westward, and increasing in force. At many of the Irish and Scotch stations (on the 31st) a strong Southerly gale prevailed. By 8 A.M. on November 2nd the conditions had again changed, the high pressure area had receded eastwards, and some "V" shaped depressions advanced over our Islands from the westward, causing the wind to vary greatly in direction, but by the end of the period these had moved from our neighbourhood, and the barometer, after recovering briskly, was again falling in Ireland, with increasing Southerly or South-Easterly winds.

* Returns incomplete; values consequently liable to alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, October 28. <i>Weather</i> fair in France and the east and south of England, but cloudy or overcast elsewhere, with rain in many places. Rain falling later in all parts of the Kingdom. <i>Temperature</i> risen several degrees; readings ranging from 59° in London to 36° at Wick. Highest maxima 62° in London, and 60° at Hurst Castle and Cambridge. <i>Wind</i> North-Westerly in the north and east of Scotland, but Westerly elsewhere. Strong to a gale in nearly all parts of our Islands, but moderate or fresh at the Continental stations. Subsequently veering to North-West generally, and moderating. <i>Sea</i> rough or high on all but our east coasts. <i>Barometer</i> rising at our extreme western and north-western stations, but falling elsewhere. Pressure highest over Spain and the south of France, with deep depression off the east of Scotland. Depression subsequently moving eastwards, and barometer rising at all but the Scandinavian stations.	
		Wednesday, October 29. <i>Weather</i> showery in the north-west, but fine elsewhere. Showers falling later in most parts of the Kingdom. <i>Temperature</i> fallen generally—several degrees over England; readings ranging from 51° at Scilly to 33° at Aberdeen. <i>Wind</i> North-Westerly in Scandinavia and also in the south of England, but Westerly or South-Westerly elsewhere; moderate or fresh in force generally. Subsequently backing to South-West in west and north. <i>Sea</i> rather rough on some exposed parts of our coasts. <i>Barometer</i> rising generally. Pressure highest (30.2 ins.) in south-east of France, and lowest (28.9 ins.) over the Gulf of Bothnia. Slight fall taking place later on our extreme western coasts.	
		Thursday, October 30. <i>Weather</i> cloudy or overcast in the west and north, with showers at Ardrossan and rain at Roche's Point, but generally fine elsewhere. Rain falling later at most of the western and northern stations. <i>Temperature</i> risen several degrees; readings ranging from 56° at Valencia and Scilly to 42° at Cambridge. <i>Wind</i> Easterly in the west and south of France, but South-Westerly elsewhere; fresh or strong in force in most places. Subsequently increasing in strength in west and north-west. <i>Sea</i> rough on many parts of our western coasts; moderate or slight elsewhere. <i>Barometer</i> rising at all but our western stations. Anticyclone, with readings above 30.3 in. lying over France, with small depression off the west of Norway. New disturbance subsequently passing along our western and northern coasts, occasioning fall of barometer in nearly all parts of the Kingdom.	
		Friday, October 31. <i>Weather</i> foggy in France, and cloudy or overcast elsewhere, with showers at Leith and rain at Mullaghmore. Rain falling later in west and north—heavily in Ireland. <i>Temperature</i> risen several degrees; readings ranging from 58° at Nain, Leith, and Valencia to 52° at Stornoway, Belmullet, and Spurn Head. <i>Wind</i> Easterly in the South of France, but South-Westerly or Southerly elsewhere; strong to a gale on our western and northern coasts. Gale subsequently moderating at all stations excepting Valencia. <i>Sea</i> high at Valencia and rough in the west and extreme north. <i>Barometer</i> falling at all but our south-eastern stations. Area of highest pressure now lying over the east of France, with large and deep depression skirting our northern coasts in a north-easterly direction. Rise taking place in west and north later.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

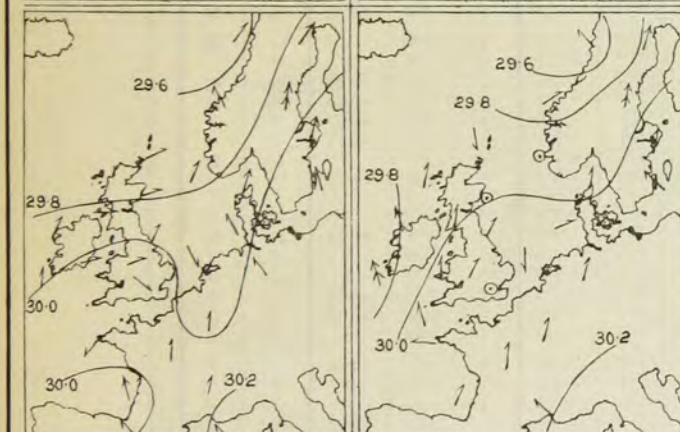
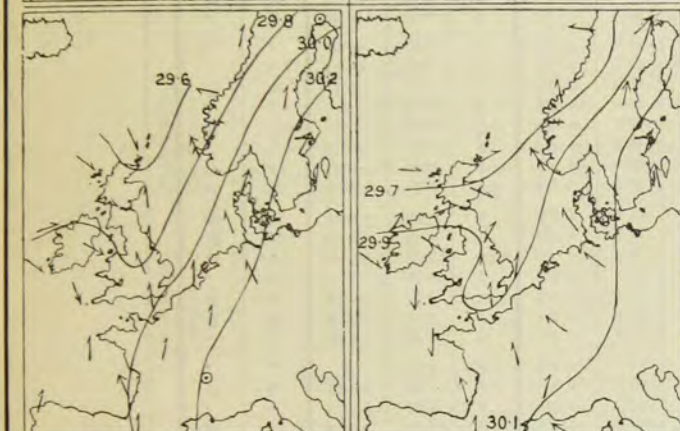
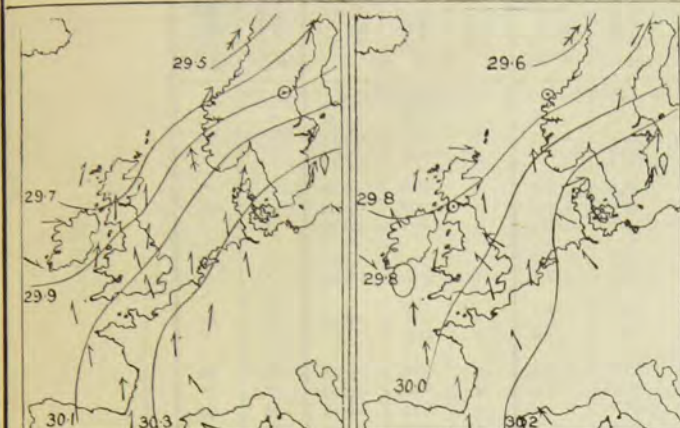
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, November 1.

Weather foggy in most parts of France and fine in Sweden and Denmark, but cloudy or overcast elsewhere, with rain in Ireland and Scotland. Rain falling later at all but the south-eastern stations.

Temperature fallen a little; readings ranging from 56° at Leith and Pembroke to 46° at Stornoway and Belmullet.

Wind moderate Westerly in Ireland, but Southerly or South-Easterly elsewhere; fresh or strong in force generally. Subsequently shifting to North-West in the south of Ireland.

Sea rough in the Irish Sea and St. George's Channel, moderate to smooth elsewhere.

Barometer rising west and north, but falling at the English and French stations. Highest pressures lying over the east and south-east of France, and lowest off the north of Norway. Small depression appearing off the south of Ireland in evening.

Sunday, November 2.

Weather fine in France and the south of Sweden, but cloudy or overcast elsewhere, with rain in several parts of Great Britain. Sky clearing in west later.

Temperature fallen in most parts of our Islands; readings ranging from 56° at Hurst Castle to 39° at Nairn.

Wind North-Westerly in Ireland and the west of England, but Southerly or South-Easterly elsewhere; moderate or fresh in force generally. Subsequently veering to North-West in all parts of our Islands.

Sea rough at Holyhead and Scilly, moderate to smooth elsewhere.

Barometer falling at all but the Irish stations. Pressure highest over the Baltic, with several shallow depressions over various parts of our Islands. Rise taking place later over the whole of the United Kingdom.

Monday, November 3.

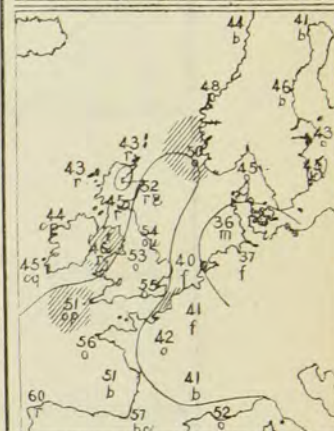
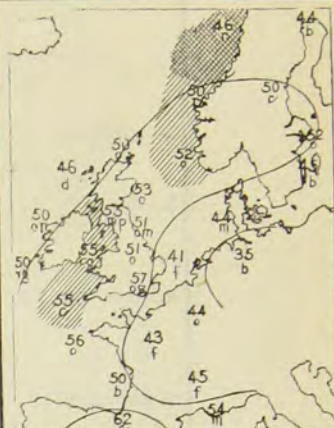
Weather rainy at Dungeness, Helder, and Cape Gris Nez, and showery at some of our north-western stations, but generally fine elsewhere. Rain falling later on several parts of our western coasts.

Temperature fallen several degrees; readings ranging from 48° at Valencia to 34° at Stornoway and 31° at Loughborough. Rise taking place in west later.

Wind fresh or strong from the Southward in Sweden and Denmark, and moderate from South-West in the west and north of our Islands, but light from North in the south of England. Subsequently backing to South in Ireland and increasing to gale.

Sea moderate to smooth.

Barometer rising in most parts of our Islands, but falling at the Continental stations. Pressure highest south-east of France and lowest off the west of Norway. Brisk fall subsequently taking place in west of Ireland.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 173 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	55	30	48.0	36.6	42.1	- 1.8	7	Inches. 1.27	Inches. +0.27	*	*
	Stornoway	55	32	48.1	37.9	42.9	- 0.6	7	2.03	+0.98	17	27
	Wick	53	31	48.7	37.9	43.1	- 0.4	6	0.80	+0.10	*	*
1. SCOTLAND, E.	Nairn	60	33	49.0	33.1	43.4	0.0	6	0.83	+0.23	*	*
	Aberdeen	59	30	52.0	39.6	45.6	+ 2.1	5	0.30	-0.39	13	21
	Leith	59	34	52.5	42.1	47.1	+ 3.7	7	0.29	-0.19	*	*
2. ENGLAND, N.E.	Alnwick Castle	59	34	52.9	41.9	47.2	+ 3.3	0	—	?	*	*
	Shields	60	34	51.0	42.4	48.0	+ 3.1	1	0.08	-0.52	*	*
	Scarborough	61	35	55.6	41.1	48.1	+ 2.9	1	0.13	-0.43	12	18
3. ENGLAND, E.	York	57	38	52.6	42.4	47.4	+ 1.9	2	0.12	?	*	*
	Spurn Head	57	31	53.1	39.1	45.9	+ 0.4	3	0.36	-0.22	16	25
	Hillington	59	35	52.9	40.9	46.7	+ 0.3	4	0.17	-0.50	*	*
4. MIDLAND COUNTIES	Yarmouth	61	33	55.0	40.7	47.6	+ 1.0	2	0.14	-0.43	24	36
	Goldstone	60	30	55.6	38.6	46.9	+ 1.1	2	0.32	-0.16	22	33
	Cambridge	60	30	54.9	38.5	46.5	+ 1.2	4	0.47	-0.14	*	*
5. ENGLAND, S.	Rothamsted	60	30	54.9	38.5	46.5	+ 1.2	4	0.47	-0.14	*	*
	Bawtry (Hesley Hall)	60	32	54.9	39.9	47.2	+ 1.6	2	0.20	-0.38	*	*
	Loughborough	59	31	55.3	41.3	48.1	+ 3.3	2	0.50	-0.05	*	*
6. SCOTLAND, W.	Leicester	60	32	54.8	41.1	47.8	+ 3.2	3	0.38	-0.15	10	15
	Cheadle	57	32	52.6	40.0	46.1	+ 2.1	4	0.49	?	*	*
	Churchstoke	58	29	55.0	40.0	47.3	+ 3.0	3	0.45	?	19	29
7. ENGLAND, N.W.	Hereford	62	29	57.3	40.7	48.8	+ 3.5	5	0.57	-0.08	*	*
	Cirencester	56	31	53.3	39.9	46.4	+ 1.1	4	0.48	-0.21	17	26
	Oxford	60	35	55.4	41.1	48.0	+ 2.5	3	0.35	-0.21	13	20
8. ENGLAND, S.W.	London†	62	32	56.4	41.1	48.5	+ 2.2	2	0.43	-0.11	15	22
	Marlborough	57	30	54.4	38.7	46.3	+ 1.3	5	0.45	-0.25	14	21
	Strathfield Turgiss	61	25	57.9	33.4	45.3	- 1.0	3	0.51	-0.09	*	*
9. IRELAND, N.	Dungeness	58	36	53.1	42.9	48.8	+ 1.4	2	0.36	?	*	*
	Hastings (St. Leonard's)	59	40	53.2	46.3	50.6	+ 3.1	2	0.19	-0.58	19	28
	Southampton	62	32	57.5	40.8	48.9	+ 2.0	4	0.45	-0.25	23	34
10. IRELAND, S.	Hurst Castle	60	37	57.0	44.0	50.3	+ 2.0	3	0.47	-0.23	*	*
	Laudale (Loch Sunart)	59	34	51.7	41.2	46.3	+ 1.4	7	4.46	?	*	*
	Glasgow	56	35	51.3	40.9	46.0	+ 3.6	7	1.84	+0.94	13	20
CHANNEL ISLANDS	Ardrossan	55	37	51.0	43.1	46.9	+ 2.9	7	1.68	+0.71	*	*
	Silloth (Cumberland)	57	37	52.9	45.9	49.3	+ 4.5	4	0.89	+0.10	14	22
	Douglas (Isle of Man)	57	39	53.5	44.3	48.8	+ 3.5	4	1.33	+0.41	16	25
7. ENGLAND, N.W.	Newton Reigny (Penrith)	57	34	52.4	42.9	47.5	+ 4.1	7	0.89	?	11	17
	Barrow-in-Furness	57	40	52.7	41.1	48.2	+ 2.3	6	0.76	?	*	*
	Stonyhurst	59	35	55.0	41.7	48.2	+ 3.4	6	0.76	-0.39	24	37
8. ENGLAND, S.W.	Blackpool	59	42	53.6	45.6	49.5	+ 2.8	4	0.53	-0.32	16	25
	Manchester	60	33	54.5	41.7	47.9	+ 2.6	6	0.37	-0.43	*	*
	Liverpool Obs† (Bidston)	62	39	54.1	44.7	49.3	+ 2.8	5	0.47	-0.23	*	*
9. IRELAND, N.	Llandudno	62	42	55.3	46.3	51.0	+ 3.1	?	?	?	14	22
	Holyhead	57	42	53.1	46.1	49.5	+ 1.1	5	0.61	-0.36	*	*
	Llandoverly	58	33	53.1	40.4	46.6	- 0.4	6	0.77	?	*	*
10. IRELAND, S.	Pembroke	58	41	54.7	48.0	51.3	+ 2.0	5	0.84	-0.11	21	32
	Arlington (N. Devon)	56	32	53.0	42.1	47.4	+ 1.1	5	1.13	?	*	*
	Cullompton	60	28	56.1	44.4	50.1	+ 3.3	4	0.79	?	14	21
CHANNEL ISLANDS	Falmouth	58	43	55.5	47.4	51.3	+ 1.8	7	0.67	-0.58	12	18
	Plymouth	58	34	56.1	43.5	49.6	+ 0.9	5	0.64	-0.16	13	19
	Prawle Point	57	37	55.6	44.1	49.7	+ 1.3	3	0.59	?	*	*
9. IRELAND, N.	Londonderry	59	33	52.3	40.9	45.6	+ 1.8	7	2.17	+1.22	*	*
	Mullaghmore	58	40	51.7	43.1	47.3	+ 2.3	7	2.66	?	*	*
	Belmullet	57	42	50.9	46.4	48.6	+ 0.6	7	2.27	?	*	*
10. IRELAND, S.	Markree Castle	57	34	51.4	38.5	44.8	+ 0.3	7	2.22	+1.37	12	18
	Brookeborough	57	34	51.3	39.1	45.0	+ 1.4	6	2.71	?	*	*
	Armagh	60	31	53.1	40.6	46.7	+ 2.1	5	1.64	+0.90	13	20
CHANNEL ISLANDS	Donaghadee	59	35	51.4	40.6	45.8	- 1.1	4	0.91	+0.15	*	*
	Dublin	62	38	55.3	43.8	49.4	+ 3.5	3	0.65	-0.04	20	31
	Personstown	60	31	52.9	41.3	46.9	+ 2.1	6	1.66	+1.01	16	25
10. IRELAND, S.	Kilkenny	57	32	53.8	41.2	47.3	+ 0.5	5	0.96	+0.01	*	*
	Waterford	58	37	54.6	42.4	48.8	+ 0.2	5	0.94	-0.03	*	*
	Roche's Point	59	40	55.6	45.6	50.5	+ 1.0	7	2.91	+1.62	18	27
CHANNEL ISLANDS	Valencia	59	33	53.5	41.0	47.1	+ 0.7	7	2.77	?	*	*
	Killarney	59	33	53.5	41.0	47.1	+ 0.7	7	2.77	?	*	*
	Foynes	59	33	53.5	41.0	47.1	+ 0.7	7	2.77	?	*	*
CHANNEL ISLANDS	Seilly (St. Mary's)	59	44	53.3	49.1	52.6	+ 1.0	5	0.60	-0.30	*	*
	Jersey (Noirmont)	59	45	55.4	47.3	51.2	+ 0.7	2	0.81	-0.14	27	40

Stations marked ft are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Banhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

NOTE.—It will be observed that Killarney has been added to the list of stations in "Ireland, S."

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 45.]
New Series.

WEEK ENDING MONDAY, 10TH NOVEMBER, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 180.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	54	33	50.3	39.1	44.7	2 above.	Day deg. 31	Day deg. 1941	Day deg. 8	Day deg. 422
	1. SCOTLAND, EAST	59	34	52.5	39.6	46.1	4 above.	39	2564	7	399
	2. ENGLAND, N.E.	58	35	53.1	41.1	47.1	4 above.	39	2754	3	293
	3. ENGLAND, EAST	60	29	54.6	40.9	47.7	4 above.	45	3204	3	340
	4. MIDLAND COUNTIES	59	29	54.4	39.0	46.8	4 above.	46	3042	8	358
	5. ENGLAND, SOUTH	61	29	57.0	44.8	50.9	6 above.	62	3389	0	194
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	58	38	52.6	42.8	47.7	5 above.	40	2691	0	239
	7. ENGLAND, N.W.	59	34	53.7	42.2	48.0	3 above.	42	2903	0	260
	8. ENGLAND, S.W.	59	31	55.7	44.4	50.1	4 above.	57	3226	0	108
	9. IRELAND, NORTH	55	31	51.8	40.5	46.2	2 above.	36	2760	4	253
	10. IRELAND, SOUTH	58	26	53.9	40.3	47.1	1 above.	43	3098	5	138
	— CHANNEL ISLANDS	60	45	56.4	40.5	52.9	4 above.	76	3588	0	9

DISTRICTS. (See p. 180.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of In. 21	10ths of In. 12 more.	201	Ins. 33.9	12	1106	21	26
	1. SCOTLAND, EAST	5	10	4 more.	164	19.7	17	1232	29	30
	2. ENGLAND, N.E.	3	4	2 less.	133	17.3	6	1193	10	28
	3. ENGLAND, EAST	4	5	2 less.	132	18.5	19	1460	30	35
	4. MIDLAND COUNTIES	5	6	1 more.	138	19.8	13	1249	21	30
	5. ENGLAND, SOUTH	4	5	2 less.	139	19.9	14	1327	22	32
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	5	28	9 more.	188	43.2	12	1151	19	27
	7. ENGLAND, N.W.	4	7	1 less.	162	27.5	9	1191	14	27
	8. ENGLAND, S.W.	5	8	2 less.	172	29.3	7	1414	11	33
	9. IRELAND, NORTH	5	16	8 more.	171	35.4	16	1010	26	24
	10. IRELAND, SOUTH	5	12	4 more.	179	31.6	13	1202	21	29
	— CHANNEL ISLANDS	4	5	4 less.	179	24.6	28	1777	43	45

General Remarks.

Weather has been cloudy or dull in all parts of the Kingdom; some large amounts of rain have fallen over Ireland and Scotland, but in England, though rain occurred on several days, the falls have been much less heavy.

Temperature has been above the mean in all districts, the excess ranging from 1° in "Ireland, S." and 2° in "Scotland, N." and "Ireland, N.", to 5° in "Scotland, W." and to 6° in "England, S." The maxima, which were recorded on different days in the various districts, ranged from 61° in "England, S." and 69° in "England, E." and the "Channel Islands", to 55° in "Ireland, N." and 54° in "Scotland, N." The minima were generally registered either on the 4th, 8th, or 10th, and varied from 26° in "Ireland, S." and 29° over eastern, central, and southern England, to 38° in "Scotland, W." and 45° in the "Channel Islands".

Rainfall has been considerably more than the mean over Ireland and Scotland, and slightly so in the "Midland Counties", but rather less elsewhere.

Bright sunshine has been less prevalent than it was last week in most districts, the percentages of the possible duration varying from 10 in "England, N.E." and 11 in "England, S.W.", to 29 in "Scotland, E." and 31 in "England, E.", and to 43 in the "Channel Islands".

Depressions observed.—During the whole of this period pressure was highest in the southern parts of our area, while depressions travelled north-eastwards over, or to the westward of, our extreme western and northern coasts, and one or two subsidiary disturbances in an easterly or north-easterly direction over our southern counties. The winds were consequently between South and West very generally, and, though moderate or fresh on most days, they reached the force of a gale from South or South-West on our western and northern coasts on the 4th and 5th, and again from the same direction on the 8th. At the end of the week the high pressure area was moving north-eastwards towards Denmark, and the wind over the greater part of England had become light and variable.

* The accumulated values "since January 1st" in this district have been altered a little owing to the receipt of some arrears of observations.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.	Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.	
		Tuesday, November 4. <i>Weather</i> fine in Scandinavia, but cloudy or overcast elsewhere, with fog in the south-east of England and rain on our west and north-west coasts. Rain falling later in all parts of our Islands. <i>Temperature</i> risen several degrees; readings ranging from 53° at Valencia, Scilly, and Hurst Castle to 38° at York. <i>Wind</i> light and variable in Sweden and Denmark, and moderate South-Easterly in France and the south-east of England, but strong to a gale from South on our western and northern coasts. Subsequently veering to South-West in the west. <i>Sea</i> high at Stornoway, rough in the west and north generally. <i>Barometer</i> falling in our Islands, but rising at most of the Continental stations. Large areas of high readings lying over central and southern Europe, with deep depression off our extreme north-west coasts. Depression subsequently moving slowly northwards, and barometer rising in south of Ireland.
		Wednesday, November 5. <i>Weather</i> rainy in the south of Norway, and showery in the north-west of our Islands, but fine elsewhere. Rain falling on our southern coasts later. <i>Temperature</i> risen generally; readings ranging from 57° at Dungeness and Jersey to 48° in the north of Scotland and also at Parsonstown. Highest maxima 61° in London and 60° at Jersey. <i>Wind</i> South-Easterly in Norway and the south of France, but South-Westerly elsewhere; strong to a gale on our western coasts and also in the south of Norway. Subsequently veering to West in Ireland, and moderating in force. <i>Sea</i> rough on all but our east coasts. <i>Barometer</i> rising a little in France and the south of our Islands, but falling elsewhere. Pressure highest south-east of France, but relatively high over northern Europe. Large depression of previous day passing away to the northward of Scotland.
		Thursday, November 6. <i>Weather</i> rainy in the south of England and showery at some of our northern stations, but fair or fine elsewhere. Rain falling later in all parts of our Islands—heavily at some of the Irish and Scotch stations. <i>Temperature</i> fallen several degrees; readings ranging from 56° at Dungeness to 39° at Aberdeen and 37° at Parsonstown. <i>Wind</i> Southerly at our southern and the French stations, and North-Easterly in the south of Ireland, but South-Westerly elsewhere; light or moderate in force on most coasts. <i>Sea</i> rough in the Bay of Biscay and western parts of the Channel and at Sumburgh Head; moderate to smooth elsewhere. <i>Barometer</i> falling a little in Sweden and the west of France, but rising in our Islands, Norway, and Denmark. Pressure still highest over the south-east of France, with large depression off the west of Norway and small shallow disturbance over our south-west coast. Depression in south-west subsequently growing deeper.
		Friday, November 7. <i>Weather</i> fine in the south-east of England, but cloudy or overcast elsewhere, with rain in the north-west and passing showers in the south-west. Showers falling later in most parts of the Kingdom. <i>Temperature</i> risen at all but the Scandinavian and Danish Stations; readings ranging from 56° at Leith and Hurst Castle to 39° at Stornoway. Highest maxima 61° in London and 60° at Cambridge. <i>Wind</i> Northerly in the west of Ireland and Westerly on our south-west coasts, but Southerly or South-Easterly elsewhere; strong in force in several parts of our Islands and France. Subsequently veering to West over England and France. <i>Sea</i> rough in the west and south. <i>Barometer</i> rising in Scandinavia and also in the west of Ireland, but falling elsewhere. Depression noticed off our south west coasts on previous day now lying over the north of Ireland. Barometer subsequently rising in nearly all parts of our Islands, and depression moving away to northward of Scotland.

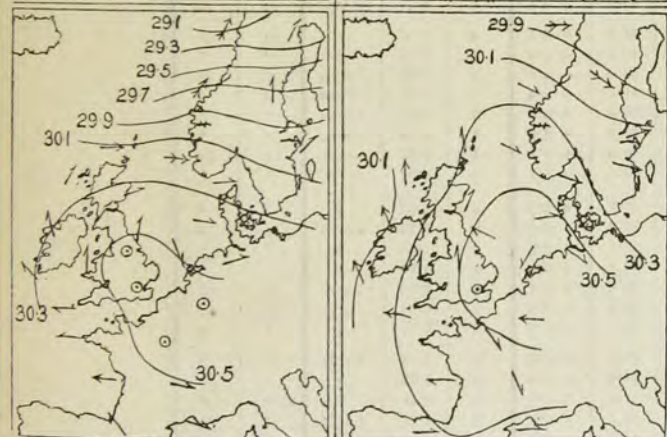
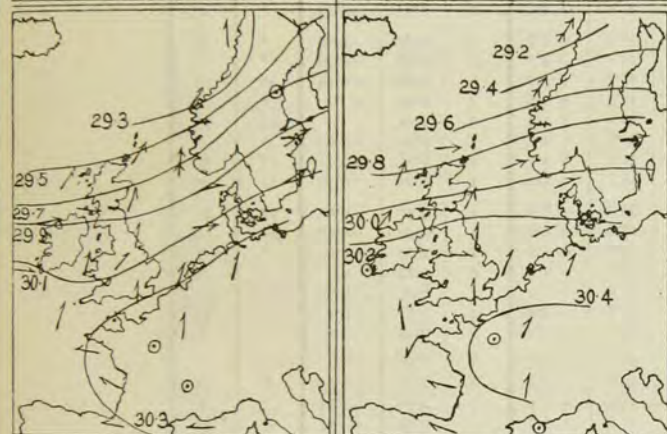
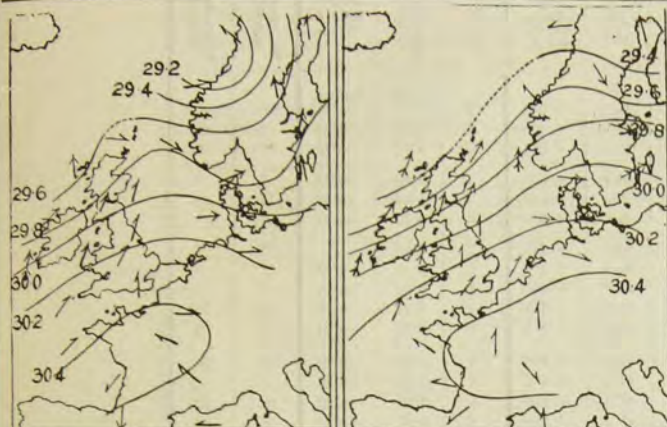
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, November 8.

Weather dull and rainy in the west and north of our Islands, but generally fine elsewhere.

Temperature fallen except west; readings ranging from 53° at Valencia to 36° at Cambridge.

Wind moderate Easterly in France, but South-Westerly or Southerly elsewhere; strong to a gale in force on our western and extreme northern coasts.

Sea rough in the west and south-west, but slight in the east.

Barometer falling in Scandinavia, but rising elsewhere. Anticyclone lying over France, with depression of previous two days off the west of Norway, and another disturbance to the westward of the Hebrides. Fall taking place later in all parts of our Islands.

Sunday, November 9.

Weather showery at several of our northern stations, but fair or fine elsewhere. Showers falling later in many parts of the Kingdom, and lightning seen in Scotland at night.

Temperature risen; readings ranging from 55° at Scilly to 49° at Stornoway.

Wind Easterly in the west of France, but South-Westerly elsewhere; fresh or strong in force in most places. Subsequently shifting to North-West on our south-west coasts.

Sea rough on some parts of our western coasts, moderate to smooth elsewhere.

Barometer rising in the west and north of our Islands, but falling in the south and east. Anticyclone lying over the east of France, with large depressions moving along to the northward of our islands. Rise of barometer subsequently becoming general, and anticyclone extending over England.

Monday, November 10.

Weather foggy over England and the north-east of France, but generally fine elsewhere. Cloud and rain subsequently setting in over Ireland.

Temperature fallen several degrees; readings ranging from 54° at Scilly to 30° at Loughborough.

Wind Easterly in France and South-Easterly in Ireland, but South-Westerly to Westerly elsewhere; light or moderate in force generally. South-Easterly winds in Ireland increasing to gale at night.

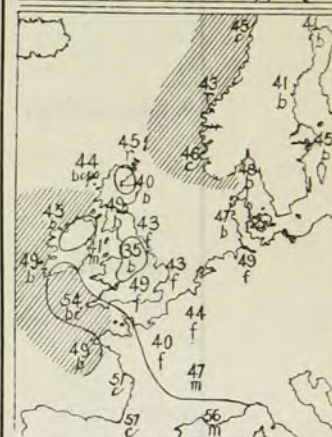
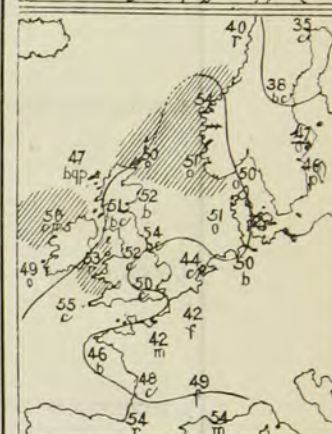
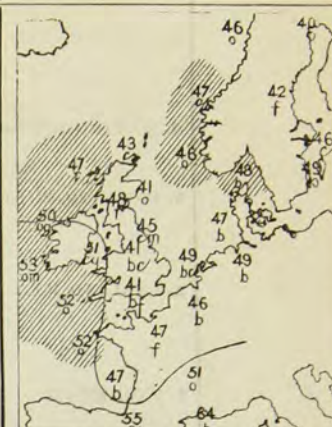
Sea rather rough on our extreme west and south-west coasts.

Barometer rising generally. Anticyclone lying over England and the north-east of France, with lowest pressures in the north of Scandinavia. Brisk fall subsequently taking place in Ireland.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 177 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	54	38	50.3	40.7	45.5	+ 2.7	7	2.13	+1.15	12	21
	Stornoway	53	33	49.9	38.1	44.0	+ 1.5	6	3.37	+2.35	12	21
	Wick	53	35	50.6	38.6	44.6	+ 2.4	5	0.82	+0.12	12	21
1. SCOTLAND, E.	Nairn	55	34	50.7	38.6	44.7	+ 3.1	5	0.83	+0.28	17	29
	Aberdeen	54	34	52.3	38.3	45.3	+ 3.3	3	1.33	+0.67	17	29
	Leith	59	39	54.6	41.9	48.3	+ 6.3	6	0.75	+0.27	17	29
2. ENGLAND, N.E.	Alnwick Castle	55	35	51.9	40.3	46.1	+ 3.7	2	0.79	?	18	29
	Shields	57	38	54.4	40.4	47.4	+ 3.9	3	0.39	-0.26	18	29
	Scarborough	57	38	52.6	42.4	47.5	+ 4.6	3	0.18	-0.58	18	29
	York	58	35	53.9	39.0	46.5	+ 3.0	4	0.42	-0.13	6	10
	Spurn Head	55	40	52.7	43.6	48.2	+ 4.2	3	0.26	-0.34	18	29
3. ENGLAND, E.	Hillington	59	30	53.9	39.2	46.6	+ 2.6	3	0.41	-0.19	18	29
	Yarmouth	58	37	53.6	43.7	48.7	+ 4.2	4	0.29	-0.44	18	29
	Geldeston	59	30	54.6	42.0	48.3	+ 3.5	5	0.38	-0.33	21	33
	Cambridge	60	39	56.0	39.0	47.5	+ 3.9	3	0.31	-0.17	17	27
	Rothamsted	59	29	54.8	40.4	47.6	+ 4.5	6	0.89	+0.29	17	27
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	58	32	55.4	37.9	46.7	+ 2.7	4	0.29	-0.25	15	24
	Loughborough	58	30	55.0	38.3	46.7	+ 3.8	5	0.46	-0.06	15	24
	Leicester	58	33	54.7	40.6	47.7	+ 5.0	5	0.80	+0.30	15	24
	Cheadle	56	34	51.7	39.2	45.5	+ 3.0	5	0.80	?	12	19
	Churchstoke	57	30	53.9	37.9	45.9	+ 3.5	4	0.61	?	12	19
	Hereford	58	31	55.2	37.9	46.6	+ 3.0	4	0.56	-0.04	11	17
	Cirencester	57	29	53.7	33.9	46.3	+ 3.1	5	0.80	+0.14	11	17
	Oxford	59	31	55.7	41.6	48.7	+ 5.3	4	0.65	+0.12	14	22
5. ENGLAND, S.	London†	61	35	57.6	43.6	50.6	+ 6.1	4	0.47	-0.04	13	20
	Marlborough	57	29	54.3	41.2	47.8	+ 4.9	5	0.89	+0.19	10	16
	Strathfield Turgiss	61	33	58.0	42.4	50.2	+ 6.2	5	0.39	-0.01	10	16
	Dungeness	59	40	57.7	47.0	52.4	+ 6.8	3	0.15	?	10	16
	Hastings (St. Leonard's)	59	41	56.7	48.9	52.8	+ 7.2	2	0.35	-0.41	22	34
	Southampton	61	34	57.3	45.0	51.2	+ 5.6	4	0.51	-0.14	12	19
	Hurst Castle	59	38	57.1	45.7	51.4	+ 4.9	5	0.42	-0.26	12	19
6. SCOTLAND, W.	Laudale (Loch Sunart)	54	39	51.8	41.7	46.8	+ 3.3	6	6.98	?	11	18
	Glasgow	55	38	51.2	41.4	46.3	+ 5.4	6	2.43	+1.56	9	15
	Ardrossan	54	41	53.6	43.6	48.6	+ 6.0	6	2.06	+1.14	9	15
	Silloth (Cumberland)	58	40	53.3	43.7	48.5	+ 5.4	4	0.87	+0.12	12	20
	Douglas (Isle of Man)	55	38	52.9	43.4	48.2	+ 4.4	4	1.71	+0.76	14	23
7. ENGLAND, N.W.	Newton Reigny (Penrith)	57	37	51.9	40.2	46.1	+ 4.1	5	1.57	?	11	18
	Barrow-in-Furness	54	41	53.3	44.1	48.7	+ 4.0	3	0.54	?	11	18
	Stonyhurst	56	34	53.1	40.1	46.6	+ 3.6	3	0.56	-0.54	10	16
	Blackpool	56	35	53.6	41.8	47.7	+ 2.4	4	0.71	-0.06	4	6
	Manchester	58	34	53.3	40.3	46.8	+ 3.0	3	0.67	-0.10	10	16
	Liverpool Obs. (Bidston)	56	39	54.1	41.9	48.0	+ 2.9	3	0.49	-0.13	10	16
	Llandudno	59	39	55.3	44.5	49.9	+ 3.4	4	0.35	-0.54	9	14
	Holyhead	56	40	54.6	45.0	49.8	+ 2.7	3	0.93	+0.07	10	16
8. ENGLAND, S.W.	Llandovery	58	35	54.7	40.7	47.7	+ 2.5	6	1.33	?	11	18
	Pembroke	57	42	55.0	47.6	51.3	+ 4.2	5	0.73	-0.18	2	3
	Arlington (N. Devon)	57	36	53.9	41.4	47.7	+ 3.2	5	1.58	?	11	18
	Cullompton	58	31	55.8	41.7	48.8	+ 3.4	5	0.70	?	4	6
	Falmouth	59	45	57.0	40.0	53.0	+ 5.1	6	0.52	-0.72	11	17
	Plymouth	59	35	57.1	44.4	50.8	+ 3.6	6	0.38	-0.41	11	17
9. IRELAND, N.	Prawle Point	59	37	56.3	46.0	51.2	+ 3.5	5	0.47	?	11	18
	Londonderry	55	32	52.3	39.4	45.9	+ 2.3	6	1.98	+1.02	15	24
	Mullaglmore	54	41	52.3	43.7	48.0	+ 4.0	7	1.64	?	15	24
	Belmullet	53	41	51.1	44.4	47.8	+ 1.0	7	2.41	?	15	24
	Markree Castle	52	31	50.5	37.4	44.0	+ 0.8	5	1.61	+0.77	15	24
	Brookeborough	54	33	51.2	38.3	44.8	+ 2.2	4	1.17	?	15	24
	Armagh	55	38	52.1	40.6	46.4	+ 2.9	5	0.77	+0.16	17	27
	Donaghadee	55	37	53.3	39.6	46.5	+ 1.3	4	1.27	+0.53	17	27
10. IRELAND, S.	Dublin	58	38	53.9	42.6	48.2	+ 3.5	4	0.59	0.00	18	29
	Parsonstown	55	33	52.4	38.0	45.2	+ 1.7	4	0.89	+0.28	10	16
	Kilkenny	55	26	53.1	35.3	44.2	+ 0.3	3	0.90	?	10	16
	Waterford	56	39	54.0	39.2	46.6	0.0	3	1.42	+0.52	10	16
	Roehe's Point	56	39	53.7	43.4	48.6	+ 1.4	5	1.73	+0.75	10	16
	Valencia	56	41	55.3	41.1	49.7	+ 1.4	7	1.38	+0.15	11	17
	Killarney	56	34	54.4	41.2	47.8	+1.0	6	1.85	?	11	17
	Foynes	56	35	54.0	38.0	46.5	+ 2.0	5	0.89	?	11	17
CHANNEL ISLANDS	Seilly (St. Mary's)	59	45	56.1	49.3	52.7	+ 2.4	6	1.04	+0.15	11	17
	Jersey (Noirmont)	60	46	56.6	49.6	53.1	+ 4.6	1	0.04	-0.89	28	43

Stations marked *fa* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.
‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

NOTE.—The "No. of Rainy Days" at Llandudno for last week was 6, the "Total Fall" 0.58 in., and the "Difference from the Mean" - 0.32 in.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 46.]
New Series.

WEEK ENDING MONDAY, 17TH NOVEMBER, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 184.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	54	29	47.7	39.1	43.4	2 above.	Day deg. 22	Day deg. 1963	Day deg. 8	Day deg. 430
	1. SCOTLAND, EAST	54	27	45.5	34.1	39.8	1 below.	10	2574	30	429
	2. ENGLAND, N.E.*	50	32	46.2	39.8	43.0	1 above.	16	2770	6	299
	3. ENGLAND, EAST	50	30	45.3	37.6	41.5	1 below.	9	3213	18	358
	4. MIDLAND COUNTIES	54	29	45.0	37.0	41.1	0 (average).	8	3050	20	378
Principal Grazing, &c. Districts.	5. ENGLAND, SOUTH	53	28	46.2	38.7	42.5	1 below.	17	3406	9	203
	6. SCOTLAND, WEST	55	27	46.1	36.9	41.5	0 (average).	11	2702	21	260
	7. ENGLAND, N.W.	57	28	47.0	37.9	42.4	1 below.	20	2923	11	271
	8. ENGLAND, S.W.	55	27	48.8	42.7	45.7	1 above.	26	3252	0	108
	9. IRELAND, NORTH	56	24	48.1	37.8	43.0	0 (average).	25	2785	12	265
Principal Wheat-producing Districts.	10. IRELAND, SOUTH	58	24	49.3	36.5	43.0	2 below.	30	3128	15	153
	— CHANNEL ISLANDS	56	36	49.0	44.2	46.6	1 below.	32	3620	0	9

DISTRICTS. (See p. 184.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	10ths of In. 5	10ths of In. 4 less.	204	Ins. 34.4	16	1122	29	26
	1. SCOTLAND, EAST	3	2	4 less.	167	19.9	7	1239	13	30
	2. ENGLAND, N.E.*	3	2	5 less.	136	17.5	2	1195	3	27
	3. ENGLAND, EAST	3	1	5 less.	135	18.6	3	1463	5	34
	4. MIDLAND COUNTIES	1	less than 1	5 less.	139	19.8	6	1255	9	29
Principal Grazing, &c. Districts.	5. ENGLAND, SOUTH	0	—	6 less.	139	19.9	4	1331	7	31
	6. SCOTLAND, WEST	2	6	1 less.	190	43.8	7	1158	12	26
	7. ENGLAND, N.W.	1	1	5 less.	163	27.6	10	1201	17	27
	8. ENGLAND, S.W.	2	1	9 less.	174	29.4	4	1418	7	32
	9. IRELAND, NORTH	2	7	1 less.	173	36.1	12	1022	20	24
Principal Wheat-producing Districts.	10. IRELAND, SOUTH	2	6	2 less.	181	32.2	12	1214	20	28
	— CHANNEL ISLANDS	2	2	7 less.	181	24.8	27	1804	42	45

General Remarks.

Weather has been dry in nearly all parts of the Kingdom, but at our extreme western and north-western stations heavy rain fell at the commencement of the period. Very cloudy skies have been reported generally, and in many places haze or mist has prevailed.

Temperature continued above the mean during the earlier days of the week, but subsequently became considerably below. On the whole it has been slightly in excess in "Scotland, N.," "England, N.E.," and "England, S.W.," about equal to its normal value in the "Midland Counties," "Scotland, W.," and "Ireland, N.," and 1° or 2° below in all other districts. The maxima, which were recorded either on the 11th or 12th, varied from 58° in "Ireland, S." and 57° in "England, N.W.," to 50° in "England, N.E." and "England, E." The minima were generally registered on the 14th and 17th, and ranged from 24° over the inland parts of Ireland, to 32° in "England, N.E.," and to 36° in the "Channel Islands."

Rainfall has been less than the mean in all districts. Over England the fall has been especially slight.

Bright sunshine has been (except in the "Channel Islands") less prevalent than for many weeks past. Over the greater part of England there was only 3% to 9% of the possible amount of duration, in Ireland

20%, and in "Scotland, N." 29%, while in the "Channel Islands" there was as much as 42%.

Depressions observed.—During the earlier part of this period a high pressure area (noticed as travelling north-eastwards towards Denmark at the close of last week) was established over the south of Sweden and Denmark, while depressions continued to move north-north-eastwards outside our western and north-western coasts, producing Southerly winds at all our stations; on our west and north-west coasts a fresh to strong gale was experienced on the 11th. By 8 A.M. on the 13th, the conditions had become rather complicated and the winds variable owing to the appearance of a second anticyclonic system over Ireland. This distribution, however, was of brief duration, for on the following day a large anticyclone, which remained in about the same position till the 16th, covered Denmark, the south of Scandinavia, and the greater part of the North Sea, causing Easterly winds in the north. At the end of the period the highest pressure was transferred to our north-west coasts, a depression was moving south-eastwards over Scandinavia, and the wind in our Islands had shifted to the north-eastward or northward.

* Returns incomplete; values consequently liable to alteration.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, November 11. <i>Weather</i> cloudy on our western and northern coasts, with rain in the west of Ireland, but fair or fine elsewhere. Rain extending later to east of Ireland and west and north of Scotland. <i>Temperature</i> risen several degrees in our Islands, but fallen at the Continental stations; readings ranging from 55° at Valencia to 42° at York. <i>Wind</i> moderate Easterly in the west of France, and South-Easterly in the south-east of England, but strong from South on our western and northern coasts, with fresh gales at Stornoway, Belmullet, and Mullaghmore. Wind moderating in west and north later. <i>Sea</i> rough west and north, but slight east. <i>Barometer</i> rising in Scandinavia and Denmark, but falling elsewhere. Anticyclone lying over eastern shores of North Sea, and depressions passing in a north-north-easterly direction outside the Irish and Scotch coasts. Rise taking place later on our extreme north-west coasts.	
		Wednesday, November 12. <i>Weather</i> fine in Scandinavia and Denmark, but cloudy or overcast elsewhere, with rain in Ireland and the north of Scotland. Rain extending later to all but our south-eastern stations. <i>Temperature</i> fallen slightly; readings ranging from 55° at Scilly to 42° at York, Loughborough, and Liverpool. <i>Wind</i> light North-Westerly at Valencia, but Southerly or South-Easterly elsewhere; strong in force in the north of Scotland. Subsequently veering to North-West at all the Irish stations and also at Scilly. <i>Sea</i> rough off the north of Scotland, and rather rough at the mouth of the Channel. <i>Barometer</i> falling generally. Anticyclone lying over south of Sweden and North Germany, with lowest pressures off north-west of Scotland, and shallow depression over Ireland. Depression subsequently becoming more clearly defined, but barometer rising in extreme west and north.	
		Thursday, November 13. <i>Weather</i> fine in the west and north of our Islands and also on the eastern shores of the North Sea, but dull elsewhere, with fog over England. Fog dispersing later. <i>Temperature</i> fallen several degrees in Ireland and Scotland; readings ranging from 53° at Scilly to 35° at Aberdeen and 30° at Parsonstown. Frost occurring in Scotland at night. <i>Wind</i> moderate South-Easterly on the eastern shores of the North Sea and light variable in Ireland and Scotland, but Easterly or North-Easterly elsewhere. North-Easterly breezes subsequently extending to Ireland. <i>Sea</i> rather rough at Scilly; moderate to smooth elsewhere. <i>Barometer</i> rising at all but the Northern Scandinavian stations. Anticyclone lying over the Baltic and south of Ireland, with lowest pressures off the west of Norway, but relatively low readings in the south of France. Rise continuing all day.	
		Friday, November 14. <i>Weather</i> cloudy at many of the Continental stations, but fine in our Islands, with, however, mist or fog locally. <i>Temperature</i> fallen generally; readings ranging from 51° at Scilly to 28° at Nairn and Aberdeen and 25° at Parsonstown. Frost occurring over the inland parts of the Kingdom at night. <i>Wind</i> light and variable over Scotland and the eastern shores of the North Sea, but moderate Easterly or North-Easterly in England, Ireland, and France, and South-Westerly in the north of Scandinavia. <i>Sea</i> moderate to smooth. <i>Barometer</i> rising at all but the Irish and Western French stations. Anticyclone extending from the south of Sweden across the North Sea to Scotland, with relatively low pressures in the north of Scandinavia and south of France. Slight fall taking place later in all parts of our Islands.	

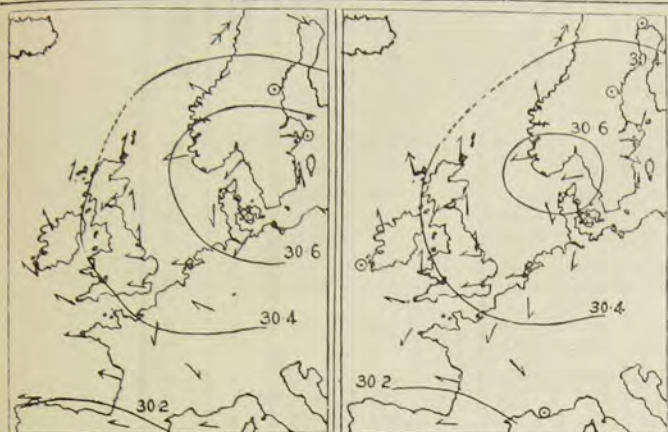
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding
8 a.m. on the dates given.

Saturday, November 15.

Weather fair generally, but fog or mist reported locally.

Temperature risen several degrees in the west and north of our Islands, but fallen elsewhere; readings ranging from 50° at Roche's Point to 31° at Oxford and 30° at Leith. Frost occurring in Scotland and central Ireland at night.

Wind variable on eastern shores of North Sea, but moderate or fresh from East and South-East over England, Ireland, and France, and Southerly in Scotland.

Sea rather rough at Prawle Point and Yarmouth, slight or smooth elsewhere.

Barometer falling at all but the Scandinavian stations. Anticyclone lying over eastern shores of North Sea, with relatively low pressures over the north of Sweden and Bay of Biscay. No important change later.

Sunday, November 16.

Weather fine at many of the continental stations, but cloudy or overcast in our Islands, with fog or mist in several places.

Temperature fallen a little; readings ranging from 48° at Scilly to 30° at Parsonstown and 29° at Nairn. Slight frost occurring at the inland stations at night.

Wind light and variable over Scandinavia, the North Sea, and Scotland, but moderate from East or South-East elsewhere.

Sea moderate to smooth.

Barometer falling generally. Large anticyclone lying over Scandinavia and the North Sea, with relatively low pressures over the Bay of Biscay. Fall continuing all day excepting on our extreme north-west coasts, where slight rise taking place.

Monday, November 17.

Weather cloudy or overcast in most places with fog or mist locally. Sky clearing at many stations later.

Temperature risen in Scandinavia and Scotland, but fallen a little in England, Ireland, and France; readings ranging from 46° at Scilly to 35° at Leith and 34° at Loughborough.

Wind Westerly in the north of Scandinavia, but Northerly or North-Easterly elsewhere; light or moderate in force in most places.

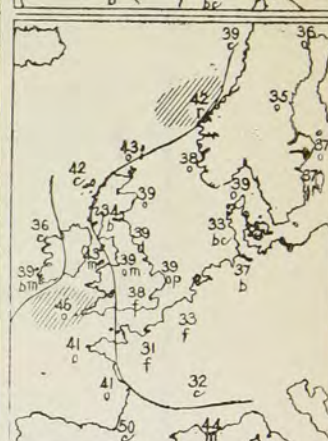
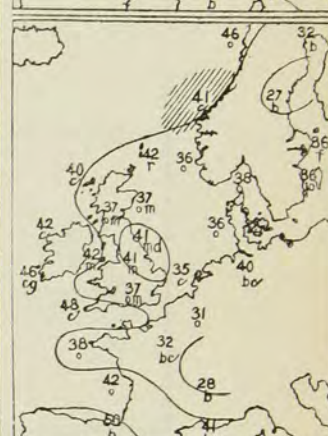
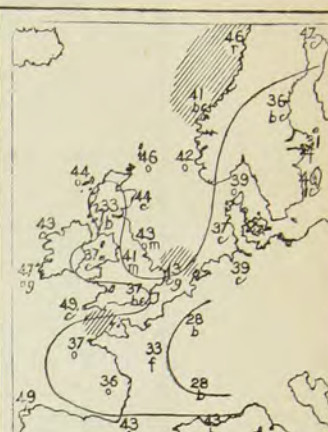
Sea slight or smooth, except at Scilly and Christiansund.

Barometer falling at all but our extreme western and northern stations. Anticyclone lying off the north-west of Scotland, with large area of low pressure over the north of Scandinavia. Low pressure area subsequently moving south-eastwards, and barometer rising in Norway.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 181 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	51	36	43.1	40.9	44.5	+ 2.6	4	Inches. 0.56	Inches. -0.41	*	*
	Stornoway	51	36	48.3	39.6	44.0	+ 2.5	4	0.84	-0.18	16	29
	Wick	51	29	46.7	36.7	41.7	+ 0.5	1	0.15	-0.57	*	*
1. SCOTLAND, E.	Nairn	54	28	45.3	33.6	39.5	- 1.0	3	0.09	-0.46	*	*
	Aberdeen	49	27	45.9	34.6	40.3	- 0.3	4	0.21	-0.54	7	13
	Leith	53	28	45.3	34.0	39.7	- 1.1	1	0.40	-0.12	*	*
2. ENGLAND, N.E.	Alnwick Castle	48	35	44.9	38.3	41.6	+ 0.8	4	0.40	?	*	*
	Shields	50	36	46.6	39.7	43.2	+ 1.1	3	0.18	-0.52	*	*
	Scarborough	50	32	46.3	38.6	42.5	+ 0.8	2	0.05	-0.50	2	3
	York	49	40	47.0	42.6	44.8	+ 2.3	3	0.16	?	*	*
3. ENGLAND, E.	Spurn Head	49	40	47.0	42.6	44.8	+ 2.3	3	0.16	?	*	*
	Hillington	48	32	45.0	35.2	40.1	- 1.9	4	0.30	-0.32	4	7
	Yarmouth	49	37	46.1	41.9	44.0	+ 1.3	2	0.11	-0.66	*	*
	Geldeston	50	36	46.2	40.0	43.1	+ 0.1	1	0.09	-0.57	4	7
	Cambridge	48	30	44.9	35.3	40.1	- 1.7	2	0.05	-0.44	1	2
4. MIDLAND COUNTIES	Rothamsted	50	30	44.5	35.6	40.1	- 1.1	4	0.04	-0.56	*	*
	Bawtry (Hesley Hall)	48	32	45.6	38.3	42.0	- 0.4	2	0.06	-0.46	*	*
	Loughborough	48	30	45.6	37.0	41.3	0.0	1	0.03	-0.47	*	*
	Leicester	48	33	45.3	38.4	41.9	+ 1.0	1	0.05	-0.44	5	8
	Cheadle	47	31	43.6	37.0	40.3	- 0.4	1	0.03	?	*	*
	Churchstoke	52	29	45.6	36.8	41.2	+ 0.6	1	0.05	?	11	18
	Hereford	54	30	46.3	36.1	41.2	- 0.8	1	0.03	-0.52	*	*
	Cirencester	49	30	43.4	36.6	40.0	- 1.1	2	0.02	-0.62	3	5
5. ENGLAND, S.	Oxford	49	30	44.9	36.0	40.5	- 1.2	1	0.01	-0.49	3	5
	London†	50	31	46.7	37.9	42.3	- 0.3	0	—	-0.49	1	2
	Marlborough	48	28	42.8	34.3	38.6	- 2.6	0	0.015	-0.69	1	2
	Strathfield Turgiss	49	28	45.4	34.0	39.7	- 2.7	1	0.01	-0.57	*	*
	Dungeness	50	35	47.0	42.0	44.5	+ 1.2	0	—	?	*	*
	Hastings (St. Leonard's)	53	34	46.9	40.7	43.8	- 0.5	0	—	-0.75	13	21
	Southampton	51	34	46.7	40.0	43.4	- 0.1	0	—	-0.60	2	3
6. SCOTLAND, W.	Hurst Castle	53	37	47.7	42.3	45.0	0.0	0	—	-0.67	*	*
	Laudale (Loch Sunart)	55	33	47.5	38.1	42.8	+ 0.7	2	1.83	?	*	*
	Glasgow	51	27	43.7	35.1	39.4	- 0.8	2	0.13	-0.72	3	5
	Ardrossan	53	39	46.0	36.4	41.2	- 0.1	2	0.10	-0.80	*	*
	Silloth (Cumberland)	53	28	45.4	33.1	39.3	- 2.7	1	0.27	-0.46	10	17
	Douglas (Isle of Man)	52	36	48.0	41.9	45.0	+ 2.3	2	0.48	-0.50	9	15
7. ENGLAND, N.W.	Newton Reigny (Penrith)	50	28	45.1	33.2	39.2	- 1.6	1	0.08	?	13	22
	Barrow-in-Furness	51	38	46.4	40.3	43.4	- 0.1	1	0.18	?	*	*
	Stonyhurst	51	34	47.8	37.1	42.5	+ 1.0	1	0.05	-1.03	10	17
	Blackpool	51	39	46.6	35.1	40.9	- 3.0	1	0.10	-0.60	4	7
	Manchester	50	33	45.9	37.7	41.8	- 0.6	1	0.06	-0.67	*	*
	Liverpool Obsv (Bidston)	51	36	46.1	38.6	42.4	- 1.1	1	0.16	-0.44	*	*
	Llandudno	57	33	49.0	39.7	44.4	- 0.7	1	0.17	-0.68	13	22
	Holyhead	54	35	48.7	41.1	44.9	- 1.1	1	0.20	-0.61	*	*
8. ENGLAND, S.W.	Llandovery	53	27	47.6	36.7	42.2	- 0.5	2	0.13	?	*	*
	Pembroke	54	37	48.7	44.4	46.6	+ 1.3	1	0.17	-0.73	9	15
	Arlington (N. Devon)	52	34	46.9	40.9	43.9	+ 1.0	2	0.09	?	*	*
	Cullompton	53	35	47.0	40.8	43.9	0.0	1	0.04	?	2	3
	Falmouth	55	39	51.0	47.1	49.1	+ 2.6	3	0.24	-0.98	2	3
	Plymouth	55	36	50.5	43.7	47.1	+ 1.3	1	0.05	-0.74	4	6
9. IRELAND, N.	Prawle Point	54	35	49.6	45.0	47.3	+ 1.4	1	0.02	?	*	*
	Londonderry	56	29	48.6	36.1	42.4	- 0.3	2	0.73	-0.24	*	*
	Mullaghmore	55	38	49.3	41.9	45.6	+ 2.4	2	0.70	?	*	*
	Belmullet	54	36	49.3	42.4	45.9	+ 0.2	3	0.73	?	*	*
	Markree Castle	54	24	47.1	33.2	40.2	- 2.2	3	0.84	+0.03	16	27
	Brookeborough	53	25	47.0	32.7	39.9	- 1.6	2	0.94	?	*	*
10. IRELAND, S.	Armagh	56	29	46.8	36.9	41.9	- 0.5	3	0.58	-0.02	7	12
	Donaghadee	54	37	48.7	41.1	44.9	+ 1.6	2	0.23	-0.47	*	*
	Dublin	58	31	49.5	40.1	44.8	+ 1.0	3	0.04	-0.47	6	10
	Parsonstown	55	24	47.3	31.7	39.5	- 2.9	2	0.55	-0.05	17	28
	Kilkenny	55	27	47.9	33.4	40.7	- 2.1	2	0.29	?	*	*
	Waterford	55	33	49.4	36.4	42.8	- 2.3	2	0.25	-0.65	*	*
	Roche's Point	55	37	52.6	42.3	47.5	+ 1.7	3	0.39	-0.59	*	*
	Valencia	56	34	52.3	40.4	46.4	- 1.0	2	1.45	+0.25	14	23
CHANNEL ISLANDS	Killarney	57	26	49.6	35.4	42.5	- 3.3	3	1.62	?	*	*
	Foynes	49	29	46.4	32.6	39.5	- 3.9	1	0.21	?	*	*
	Seilly (St. Mary's)	56	44	52.1	48.3	50.2	+ 1.2	2	0.35	-0.54	*	*
	Jersey (Noirmont)	49	36	45.9	40.1	43.0	- 3.5	1	0.01	-0.89	27	42

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

§ Mist.

ERRATUM.—In the Report No. 44 the queries to the Killarney Temperature values may be erased.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 47.]
New Series.

WEEK ENDING MONDAY, 24TH NOVEMBER, 1884.

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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a “Day degree” signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 188.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	48	28	42.7	34.6	38.6	2 below.	Day deg. 2	Day deg. 1965	Day deg. 26	Day deg. 456
	1. SCOTLAND, EAST	48	32	43.1	36.0	39.6	0 (average).	3	2577	22	451
	2. ENGLAND, N.E.*	49	27	43.6	35.7	39.7	1 below.	4	2775	24	322
	3. ENGLAND, EAST	48	22	42.9	33.2	38.1	3 below.	3	3216	32	390
	4. MIDLAND COUNTIES	49	25	42.8	32.9	37.9	2 below.	2	3052	33	411
Principal Wheat-producing Districts.	5. ENGLAND, SOUTH	48	21	43.7	33.2	38.5	4 below.	5	3411	32	235
	6. SCOTLAND, WEST	50	26	44.0	32.3	38.2	3 below.	6	2708	36	296
	7. ENGLAND, N.W.	50	25	44.3	35.4	39.9	2 below.	6	2929	25	296
	8. ENGLAND, S.W.	51	27	46.1	34.9	40.5	3 below.	11	3263	28	136
	9. IRELAND, NORTH	49	22	45.5	33.6	39.6	3 below.	10	2795	32	297
Principal Wheat-producing Districts.	10. IRELAND, SOUTH	50	22	45.3	32.4	38.9	5 below.	9	3137	36	189
	— CHANNEL ISLANDS	50	37	48.0	42.2	45.1	2 below.	22	3642	0	9

DISTRICTS. (See p. 188.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of In. 5	10ths of In. 4 less.	210	In. 34.9	9	1131	18	26
	1. SCOTLAND, EAST	4	3	3 less.	171	20.2	10	1249	19	29
	2. ENGLAND, N.E.*	6	6	1 less.	142	18.1	15	1210	27	27
	3. ENGLAND, EAST	6	5	1 less.	141	19.1	11	1474	20	34
	4. MIDLAND COUNTIES	3	1	5 less.	142	19.9	8	1263	14	29
Principal Wheat-producing Districts.	5. ENGLAND, SOUTH	3	2	4 less.	142	20.1	11	1342	19	31
	6. SCOTLAND, WEST	2	1	8 less.	192	43.9	18	1176	34	26
	7. ENGLAND, N.W.	3	2	6 less.	166	27.8	17	1218	50	27
	8. ENGLAND, S.W.	3	2	8 less.	177	29.6	16	1434	26	32
	9. IRELAND, NORTH	3	2	6 less.	176	36.3	16	1038	29	24
Principal Wheat-producing Districts.	10. IRELAND, SOUTH	2	1	8 less.	183	32.3	21	1235	36	28
	— CHANNEL ISLANDS	5	6	3 less.	186	25.4	12	1816	20	44

General Remarks.

Weather has been cloudy or dull generally, with occasional showers of cold rain or sleet; towards the end of the period a good deal of fog or mist became prevalent. Lightning was seen at several of our northern stations during the evening of the 20th, while at Shields a thunderstorm was experienced.

Temperature has been about equal to its normal value in “Scotland, E.”, but below elsewhere; in most districts the deficit varied from 2° to 3°, but in “England, S.” it was 4°, and in “Ireland, S.” 5°. The maxima, which were recorded on different days in the various localities, ranged from 48° to 51°. The minima were generally registered towards the close of the period, when temperature fell to 21° or 22° in eastern and southern England and over Ireland, and to between 25° and 28° in most other parts of the Kingdom; in “Scotland, E.”, however, the lowest reading was 32°, and in the “Channel Islands” 37°.

Rainfall has been less than the mean in all districts.

Bright sunshine shows a decrease in duration in “Scotland, N.” and the “Channel Islands”, but an increase elsewhere. In “Ireland, S.” 36 % of

the possible number of hours was recorded, in “Scotland, W.” 34 %, in “England, N.W.” 30 %, and in most other districts 18 % to 27 %, while in the “Midland Counties” there was only 14 %.

Depressions observed.—During the whole of this period barometric pressure has been highest in the western part of our area. The only depression observed was one which, after travelling south-south-eastwards from the west of Norway to Holstein on the 20th, changed its course south-westwards to the Netherlands, and subsequently southwards or south-south-eastwards towards the Mediterranean. Under the influence of this disturbance, the wind, which had previously been moderate or fresh from north or north-east, increased to the force of a fresh or strong gale on all parts of our northern, eastern, and south-eastern coasts. As the depression disappeared from our neighbourhood, however, the wind gradually subsided, and during the last few days very light airs from the north-westward or northward were general.

* The accumulated values “since January 1st” have been altered a little owing to the receipt of some arrears of observations.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.
		Tuesday, November 18. <i>Weather</i> showery at several of our eastern stations, but fair or fine elsewhere. Showers falling later over all the northern and eastern parts of the Kingdom. <i>Temperature</i> fallen several degrees in Scandinavia, but risen over our Islands and France; readings ranging from 46° at Holyhead and Scilly to 34° at Belmullet, Mullaghmore, and Hurst Castle, and 29° at Parsonstown. Maxima below 45° at the northern stations. <i>Wind</i> Northerly or North-Easterly; strong in force on the east coast of England, but light or moderate elsewhere. <i>Sea</i> rough on our east coasts. <i>Barometer</i> falling Sweden, Denmark, and the Netherlands, but rising elsewhere. Anticyclone, with readings above 30.6 ins. lying off the north-west of Scotland; depression, with readings below 29.9 ins., over the Baltic. General rise of barometer taking place later.	
		Wednesday, November 19. <i>Weather</i> rainy in the south-east of England, and showery at some of our northern stations; fine elsewhere. Cold showers falling later on several parts of our north and east coasts. <i>Temperature</i> fallen a little at all but the Scotch stations; readings ranging from 46° at Scilly to 27° at Parsonstown. <i>Wind</i> generally Northerly, inclining to North-West in the north and to North-East in the south; light or moderate in force on all coasts. <i>Sea</i> rather rough off the east of England, and also at Holyhead and Scilly; moderate to smooth elsewhere. <i>Barometer</i> still rising at all but the Scandinavian and Scotch stations. Anticyclone now extending over Ireland and the west of Scotland, with relatively low pressures over the Baltic and south of France. Depression approaching the Norwegian coasts later, and barometer falling rather quickly in the extreme north.	
		Thursday, November 20. <i>Weather</i> fine in Sweden and fair at most of our southern and the French stations, but cloudy or overcast elsewhere, with cold showers in many places. Rain or sleet falling later in most places, with lightning over the northern parts of the Kingdom and a thunderstorm at Shields. <i>Temperature</i> fallen in Sweden and also in the east of England, but risen elsewhere; readings ranging from 48° at Ardrossan and 47° at Mullaghmore and Scilly to 36° at Loughborough and 34° at Sumburgh Head. <i>Wind</i> Southerly in Denmark and variable in Scandinavia, but Northerly or North-Westerly over our Islands and the greater part of France; strong to a gale in the east of Scotland. Subsequently increasing to strong breeze or moderate gale on many parts of our coasts. <i>Sea</i> rough on the east and north-east coasts of Great Britain. <i>Barometer</i> falling generally—quickly in the extreme north. Anticyclone lying over the south-west of Ireland with well-marked depression off the west of Norway. Depression subsequently travelling in a south-south-easterly direction to Holstein, and barometer rising over Scandinavia.	
		Friday, November 21. <i>Weather</i> cloudy and showery in the south and east of our Islands as well as in the north of France; fair or fine elsewhere. Improvement taking place at some of the south-eastern stations later. <i>Temperature</i> risen a little over England, but fallen in Ireland and Scotland; readings ranging from 48° at Scilly to 37° in the Shetlands and 33° at Parsonstown. Frost occurring over the inland parts of the Kingdom at night. <i>Wind</i> chiefly Northerly or North-Easterly; strong to a gale over England and Ireland, but moderate at our northern stations. Subsequently increasing to a gale over the Bay of Biscay. <i>Sea</i> rough on several of the more exposed parts of our coasts. <i>Barometer</i> rising at all but our southern and the French stations. Depression of previous day lying over the Netherlands in morning, but afterwards moving southwards. New disturbance appearing over north of Scandinavia towards evening.	

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.

Weather

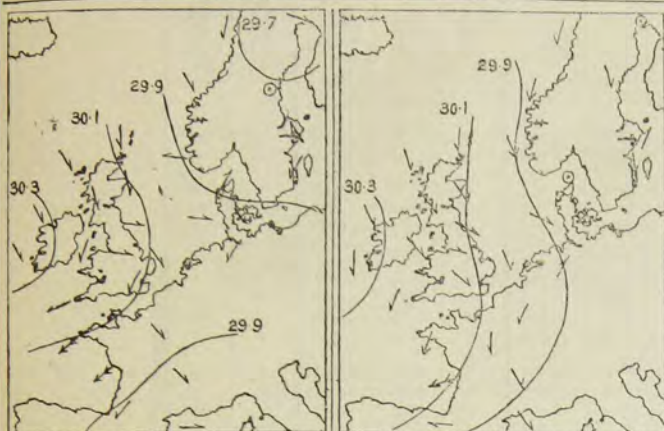
During the 24 hours succeeding

8 a.m. on the dates given.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Saturday, November 22.

Weather showery at some of our northern stations, but fair or fine elsewhere.

Temperature risen over Scandinavia, but fallen slightly in our Islands and France; readings ranging from 45° at Scilly to 23° at Parsonstown. Frost occurring in many places at night.

Wind chiefly northerly—inclining to North-West in the north and to North-East in the south, light or moderate in force generally.

Sea rather rough at Shields and also in the Channel, moderate to smooth elsewhere.

Barometer rising at all but the Scotch and Scandinavian stations. Anticyclone over west of Ireland, with old depression passing away over Piedmont and new one lying over north of Scandinavia. No important change later.



Sunday, November 23.

Weather fine in most places, but steady rain falling at Donaghadee and Holyhead, and passing showers at Spurn Head. Showers occurring later at several isolated stations.

Temperature fallen north and east, risen elsewhere; readings ranging from 49° at Scilly to 32° at Wick, Loughborough, and Oxford. Maxima below 40° in some parts of Scotland. Sharp frost occurring over central England at night.

Wind Northerly or North-Westerly on all coasts, and light or moderate in force.

Sea rather rough at Spurn Head and Cape Gris Nez, slight or smooth elsewhere.

Barometer falling a little in most parts of the United Kingdom, but rising at the Continental stations. Pressure highest to the south-westward of our Islands, with depression over the Baltic and another over the north of Norway. No important change later.



Monday, November 24.

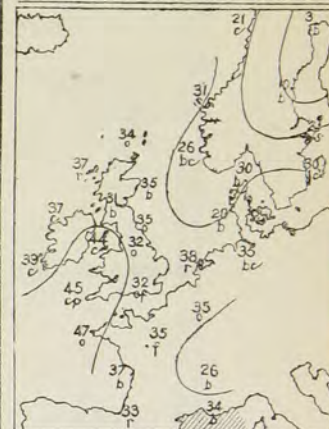
Weather showery in the south-west of England and foggy over our midland and south-eastern counties, fine elsewhere.

Temperature fallen slightly in most places; readings ranging from 45° at Pembroke and Scilly to 30° at Wick and Cambridge. Maxima below 40° at many of the northern and eastern stations. Sharp frost occurring at night, lowest readings being 22° at Cambridge, 24° at Loughborough, and 25° in London.

Wind light from North or North-West in nearly all places.

Sea slight or smooth.

Barometer falling a little in our Islands, but rising at the Continental stations. Distribution of pressure similar to that of previous day, but readings more uniform. No important change later.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\gg$ = a heavy gale; $\gg$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 185 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	47	31	42.4	33.9	38.2	-2.9	5	0.50	-0.47	*	*
	Stornoway	48	31	43.7	35.7	39.7	-1.1	7	0.59	-0.45	9	18
	Wick	45	23	41.9	34.1	38.0	-2.3	6	0.40	-0.34	*	*
1. SCOTLAND, E.	Nairn	46	32	42.6	37.0	39.8	+0.1	4	0.15	-0.39	*	*
	Aberdeen	47	32	42.9	36.4	39.7	+0.3	6	0.58	-0.16	10	19
	Leith	48	32	43.9	34.6	39.3	-0.6	2	0.07	-0.43	*	*
2. ENGLAND, N.E.	Alnwick Castle	46	31	42.0	35.0	38.5	-1.4	5	0.61	?	*	*
	Shields	49	31	44.1	35.3	39.7	-1.3	6	0.48	-0.22	*	*
	Scarborough	48	35	44.5	37.4	41.0	+0.3	7	0.98	+0.19	*	*
	York	49	27	43.9	33.6	38.8	-1.6	3	0.22	-0.32	15	27
3. ENGLAND, E.	Spurn Head	46	34	43.4	37.3	40.4	-0.6	7	0.53	?	*	*
	Hillington	46	22	43.4	32.7	38.1	-2.4	7	0.36	-0.26	11	19
	Yarmouth	45	29	43.0	35.7	39.4	-1.8	6	0.95	+0.19	*	*
	Geldeston	48	27	43.8	33.6	38.7	-2.5	7	0.83	+0.18	11	19
	Cambridge	46	26	43.0	31.9	37.5	-3.0	4	0.17	-0.28	12	21
	Rothamsted	44	27	41.4	32.1	36.8	-3.2	5	0.17	-0.43	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	48	25	42.7	32.6	37.7	-3.4	2	0.05	-0.47	*	*
	Loughborough	46	28	42.9	32.4	37.7	-2.4	3	0.03	-0.49	*	*
	Leicester	46	30	43.2	33.2	38.2	-1.3	3	0.10	-0.39	3	5
	Cheadle	45	29	41.6	32.1	36.9	-2.6	4	0.08	?	*	*
	Churchstoke	48	28	42.7	31.3	37.0	-2.7	4	0.13	?	7	12
	Hereford	49	31	44.1	34.3	39.2	-1.4	1	0.05	-0.50	*	*
	Cirencester	46	31	41.9	33.1	37.5	-2.4	2	0.03	-0.53	11	19
	Oxford	47	30	43.0	34.1	38.6	-2.0	4	0.15	-0.34	12	21
5. ENGLAND, S.	London†	46	28	42.9	34.0	38.5	-2.9	3	0.10	-0.39	5	8
	Marlborough	46	29	42.3	31.6	37.0	-3.1	3	0.07	-0.63	9	15
	Strathfield Turgiss	46	21	43.0	31.0	37.0	-3.9	4	0.10	-0.44	*	*
	Dungeness	45	29	43.9	34.0	39.0	-4.1	4	0.61	?	*	*
	Hastings (St. Leonard's)	46	33	43.2	35.2	39.2	-4.1	3	0.57	-0.19	16	27
	Southampton	47	32	44.7	33.3	39.0	-3.1	2	0.04	-0.59	15	25
6. SCOTLAND, W.	Hurst Castle	48	32	45.9	33.0	39.5	-4.2	2	0.07	-0.63	*	*
	Laudale (Loch Sunart)	49	23	45.2	32.0	38.6	-2.4	5	0.20	?	*	*
	Glasgow	46	23	42.1	31.7	36.9	-2.9	0	—	-0.85	10	19
	Ardrossan	48	28	45.0	32.7	38.9	-1.2	0	—	-0.90	*	*
	Silloth (Cumberland)	49	26	42.6	30.3	36.5	-4.6	0	—	-0.70	22	41
	Douglas (Isle of Man)	50	29	45.1	34.6	39.9	-2.1	3	0.22	-0.78	23	41
7. ENGLAND, N.W.	Newton Reigny (Penrith)	46	25	40.8	29.1	35.0	-4.8	3	0.17	?	15	28
	Barrow-in-Furness	48	33	44.6	36.1	40.4	-2.4	2	0.06	?	*	*
	Stonyhurst	49	28	45.1	32.5	38.8	-1.5	1	0.01	-1.08	22	39
	Blackpool	48	29	43.8	33.7	38.8	-4.0	2	0.21	-0.49	18	32
	Manchester	47	29	42.5	32.5	37.5	-3.6	2	0.05	-0.69	*	*
	Liverpool Obs. (Bidston)	47	36	44.0	37.7	40.9	-1.2	3	0.22	-0.38	*	*
	Llandudno	49	34	46.5	40.0	43.3	-0.4	5	0.31	-0.53	11	19
8. ENGLAND, S.W.	Holyhead	50	35	47.3	41.4	44.4	-0.7	6	0.75	-0.10	*	*
	Llandoverly	47	27	43.7	31.7	37.7	-4.0	4	0.21	?	*	*
	Pembroke	48	35	47.0	38.9	43.0	-1.3	3	0.20	-0.73	19	33
	Arlington (N. Devon)	46	30	45.0	34.1	39.6	-4.2	4	0.17	?	*	*
	Cullompton	48	29	45.3	32.1	38.7	-4.0	3	0.07	?	10	17
	Falmouth	48	36	46.6	38.5	42.6	-2.6	3	0.43	-0.79	16	27
9. IRELAND, N.	Plymouth	48	34	46.9	34.9	40.9	-3.6	3	0.05	-0.75	17	28
	Prawle Point	51	33	48.3	34.3	41.3	-3.2	1	0.04	?	*	*
	Londonderry	49	29	45.6	33.6	39.6	-2.2	6	0.29	-0.68	*	*
	Mullaghmore	49	30	47.1	37.9	42.5	-0.1	4	0.12	?	*	*
	Belmullet	49	31	45.6	37.0	41.8	-3.2	4	0.31	?	*	*
	Markree Castle	48	24	45.6	28.5	37.1	-4.5	4	0.14	-0.67	17	30
10. IRELAND, S.	Brookeborough	47	22	44.8	27.8	36.3	-4.5	0	—	?	*	*
	Armagh	47	20	42.8	32.5	37.7	-3.8	1	0.07	-0.53	15	27
	Donaghadee	49	35	46.3	37.7	42.0	-0.2	5	0.44	-0.26	*	*
	Dublin	48	32	44.1	35.9	40.0	-2.9	1	0.05	-0.45	15	26
	Parsonstown	46	22	42.6	26.7	34.7	-6.6	2	0.05	-0.55	17	30
	Kilkenny	47	27	43.9	32.0	38.0	-3.7	2	0.05	?	*	*
	Waterford	48	31	45.3	34.1	39.7	-4.1	1	0.02	-0.83	*	*
	Roche's Point	50	35	48.3	35.4	42.4	-2.3	1	0.01	-0.99	*	*
CHANNEL ISLANDS	Valencia	50	32	48.3	35.6	42.0	-4.3	3	0.32	-0.88	30	51
	Killarney	48	23	41.6	23.3	33.5	-8.5	3	0.07	?	*	*
	Foynes	49	27	45.5	39.5	38.0	-4.8	2	0.13	?	*	*
	Scilly (St. Mary's)	50	43	49.1	43.9	46.5	-1.5	6	0.22	-0.67	*	*
	Jersey (Noirmont)	49	37	46.9	40.4	43.7	-1.6	4	1.04	+0.14	12	20

Stations marked fa are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.
‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

ERRATUM.—In the Report No. 45 the queries to the Killarney Temperature values may be erased.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.		
		Tuesday, November 25. <i>Weather</i> foggy over England, and showery on our extreme northern and north-western coasts, but fair or fine elsewhere. <i>Temperature</i> risen a little in the north of Scotland, but fallen at our southern and many of the Continental stations; readings ranging from 45° at Scilly to 24° at Cambridge. Sharp frost occurring over Central England at night. <i>Wind</i> North-Easterly over the Bay of Biscay and our south-west coasts, but North-Westerly or Northerly elsewhere; light or moderate in force generally. <i>Sea</i> moderate to smooth. <i>Barometer</i> falling over the northern parts of Scandinavia, but rising a little over our Islands and the north of France. Anticyclone lying off the south-west of Ireland, with large area of low pressure in the north of Sweden, and smaller disturbance over the Baltic.	
		Wednesday, November 26. <i>Weather</i> fair in most places, but foggy over central England and showery at one or two of our western and northern stations. Steady rain setting in later over the northern parts of the Kingdom. <i>Temperature</i> fallen a little in France and the north of Scandinavia, but risen elsewhere; readings ranging from 49° at Scilly to 29° at Oxford. Rise of temperature continuing over England all day. <i>Wind</i> North-Easterly in the south-west of France, but North-Westerly elsewhere; light or moderate in force generally. Subsequently backing to West at many of our northern stations. <i>Sea</i> moderate in the west, slight or smooth elsewhere. <i>Barometer</i> rising at our western, southern, and the French stations, but falling in the north and east. General distribution of pressure very similar to that of previous day.	
		Thursday, November 27. <i>Weather</i> rainy in Scotland and cloudy in most other parts of Western Europe, with snow at Bodø and Christiansund. Showers falling at our southern stations later. <i>Temperature</i> risen several degrees; readings ranging from 50° at Belmullet and Mullaghmore to 33° in the Shetlands. <i>Wind</i> chiefly Westerly; strong in force on some parts of our western coasts, but light or moderate elsewhere. Subsequently veering to the North-Westward in the west and north, and increasing in force at some of the Scotch stations. <i>Sea</i> rough on our north-west coasts; moderate to smooth elsewhere. <i>Barometer</i> falling in most places—quickly on our northern coasts. Anticyclone formerly noticed off the south-west of Ireland now lying over the Bay of Biscay, and depression shown near the Hebrides. Depression subsequently moving south-eastwards over the north of Scotland and the North Sea.	
		Friday, November 28. <i>Weather</i> rainy in the south of Denmark and showery at several of our western stations, but fair or fine elsewhere. Showers of rain or sleet falling later in all parts of the Kingdom. <i>Temperature</i> fallen several degrees; readings ranging from 49° at Scilly to 32° in the Shetlands. Frost occurring in most places at night. <i>Wind</i> light and variable on the eastern shores of the North Sea, but North-Westerly or Westerly elsewhere; strong in force on some parts of our western coasts. Subsequently veering to the Northward in many parts of our Islands. <i>Sea</i> rough on our west and south-west coasts. <i>Barometer</i> rising at several of the Irish and Scotch stations, but falling elsewhere. Depression shown off the Scotch coasts on previous day now lying over the south of Denmark. Recovery of pressure extending later to nearly all parts of the Kingdom.	

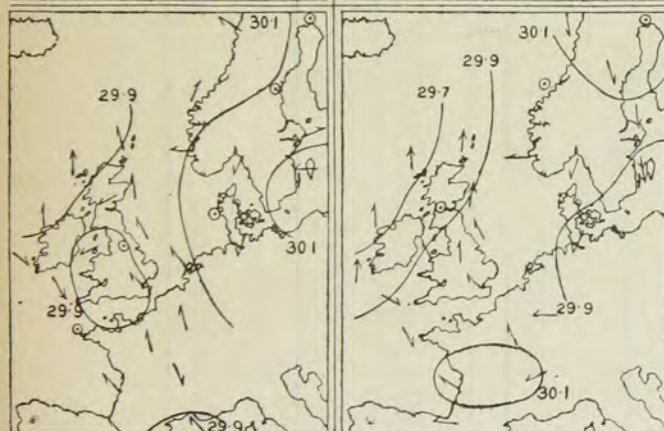
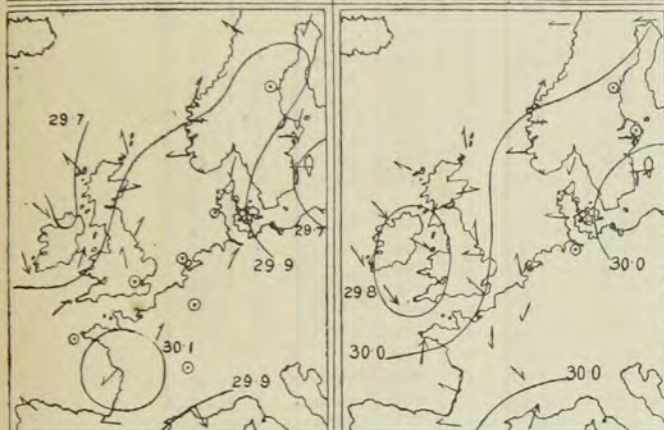
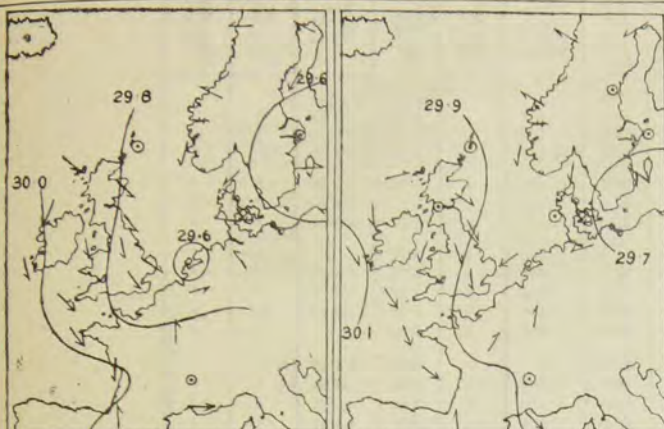
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, November 29.

Weather fair in most places, but snow showers reported on the east coast of England and rain at Helder. Snow or sleet falling later in several parts of our Islands.

Temperature fallen several degrees; readings ranging from 47° at Scilly to 30° at Wick, York, and Loughborough, and 38° at Dungeness. Hard frost occurring over Great Britain at night, lowest minima being 15° at Wick and Aberdeen, 21° at Nairn, and 22° at Leith, York, and Loughborough.

Wind North-Westerly or Northerly, strong in force in some parts of our west and south-west coasts, moderate elsewhere. Subsequently backing to South-West in the west of Scotland.

Sea rather rough on our west and south-west coasts, moderate to smooth elsewhere.

Barometer rising at all but our southern and the French stations. Depression shown near Stockholm and new disturbance forming off the Dutch coast. Both moving south-eastwards later, and rise of barometer becoming general.

Sunday, November 30.

Weather dull in the west and south-west of our Islands, with rain or snow in many places, but generally fine elsewhere, with fog over central England. Rain and sleet falling later over the whole of Ireland and England.

Temperature risen a little in the west, but fallen several degrees elsewhere; readings varying from 47° at Valencia and Scilly to 16° at Aberdeen. Thermometer at Aberdeen not exceeding 22° all day, but decided rise of temperature taking place over England towards evening.

Wind Northerly in the west of Ireland and also on the eastern shores of the North Sea, but South-Westerly or Southerly on our north and east coasts, light or moderate in force generally. Subsequently increasing to strong breeze from North-West in the west and from South in the Channel.

Sea moderate or slight, except at Valencia.

Barometer falling briskly in west and north-west, rising elsewhere. High pressure area shown over France, and depression approaching the north of Ireland from the north-westward. Disturbance subsequently advancing to the St. George's Channel, occasioning fall of barometer in all parts of our Islands.

Monday, December 1.

Weather dull and unsettled at the English stations, with rain or sleet in many places, generally fine elsewhere. Rain falling later over the entire Kingdom.

Temperature risen several degrees over great Britain, but fallen in Ireland and France; readings ranging from 47° at Scilly to 25° at Nairn. Maximum at Loughborough only 33°.

Wind North-Westerly on our south-western and southern coasts, but Southerly or South-Easterly elsewhere; moderate in force in most places, but strong on the east coast of England. Subsequently increasing to moderate gale in the north and east of Scotland.

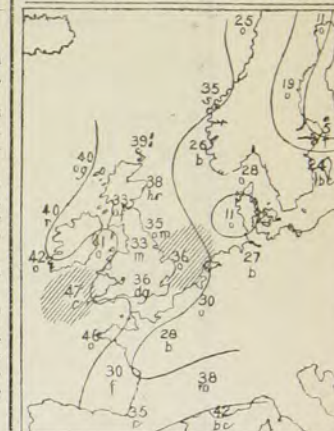
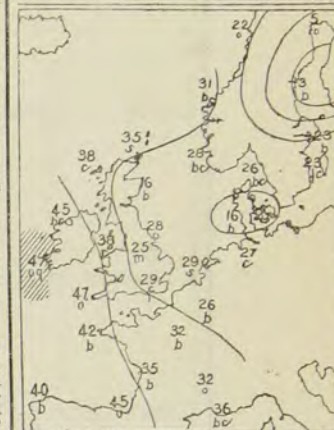
Sea rough off the east of England, moderate to smooth elsewhere.

Barometer falling at our southern and the French stations, as well as in the north-west of Scotland, but rising in the east. Depression of previous day now lying over Wales and the west and south of England, but new disturbance shown off the west of Scotland. Former of these subsequently dispersing, but latter increasing in intensity.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 189 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	43	23	37.7	30.4	34.1	- 6.7	7	0.70	- 0.26	*	*
	Stornoway	48	27	43.1	33.6	38.4	- 2.0	6	2.19	+ 1.09	9	18
	Wick	42	15	39.4	29.1	34.3	- 5.6	6	1.57	+ 0.82	*	*
1. SCOTLAND, E.	Nairn	48	21	40.6	31.0	35.8	- 3.2	2	0.94	+ 0.44	*	*
	Aberdeen	50	14	41.3	26.9	34.1	- 4.6	6	1.19	+ 0.44	7	14
	Leith	50	22	43.0	31.7	37.4	- 1.7	3	0.08	- 0.41	*	*
2. ENGLAND, N.E.	Alnwick Castle	50	19	40.6	30.9	35.8	- 3.2	3	0.53	?	*	*
	Shields	49	23	41.3	31.3	36.3	- 3.9	4	0.29	- 0.41	*	*
	Scarborough	48	27	41.3	33.8	37.6	- 2.2	5	0.84	+ 0.07	*	*
3. ENGLAND, E.	York	49	22	41.1	30.0	35.6	- 4.1	3	0.19	- 0.36	11	20
	Spurn Head	47	23	40.7	33.6	37.2	- 3.0	3	0.36	?	*	*
	Hillington	47	23	38.8	30.1	34.5	- 5.0	4	0.89	+ 0.27	2	4
4. MIDLAND COUNTIES	Yarmouth	45	25	39.6	30.1	34.9	- 5.3	5	0.49	- 0.34	*	*
	Geldeston	46	24	40.0	31.2	35.6	- 4.6	5	0.38	- 0.25	6	11
	Cambridge	47	22	39.4	28.0	33.7	- 6.0	4	0.54	+ 0.09	5	9
5. ENGLAND, S.	Rothamsted	47	24	39.8	30.8	35.3	- 3.9	2	0.60	0.00	*	*
	Bawtry (Hesley Hall)	49	24	41.0	31.9	36.5	- 3.9	4	0.50	- 0.04	*	*
	Loughborough	48	22	39.9	28.6	34.3	- 4.9	4	0.44	- 0.09	*	*
6. SCOTLAND, W.	Leicester	47	23	40.3	29.4	34.9	- 3.8	3	0.58	+ 0.08	3	5
	Cheadle	46	25	38.8	30.6	34.7	- 4.1	6	0.66	?	*	*
	Churchstoke	47	22	40.3	29.3	34.8	- 4.2	6	0.49	?	5	9
7. ENGLAND, N.W.	Hereford	48	23	42.2	30.3	36.3	- 3.4	5	0.42	- 0.16	*	*
	Cirencester	47	23	40.3	29.4	34.9	- 4.3	4	0.75	+ 0.10	6	11
	Oxford	48	26	40.9	29.4	35.2	- 5.0	4	0.69	+ 0.20	4	7
8. ENGLAND, S.W.	London†	48	25	42.3	30.6	36.5	- 4.0	3	0.49	- 0.01	1	2
	Marlborough	47	21	41.0	29.0	35.0	- 4.6	5	0.70	+ 0.01	3	5
	Strathfield Turgiss	48	25	41.8	28.8	35.3	- 4.8	4	0.41	- 0.14	*	*
9. IRELAND, N.	Dungeness	49	27	45.1	30.1	37.6	- 4.9	2	0.43	?	*	*
	Hastings (St. Leonard's)	48	23	43.7	33.4	38.6	- 3.9	2	0.34	- 0.40	11	19
	Southampton	50	25	43.6	30.9	37.3	- 3.7	6	0.71	+ 0.03	6	11
10. IRELAND, S.	Hurst Castle	48	25	46.4	30.6	38.5	- 4.5	2	0.37	- 0.31	*	*
	Laudale (Loch Sunart)	51	27	43.2	34.0	38.6	- 1.9	4	1.55	?	*	*
	Glasgow	49	26	42.2	32.1	37.2	- 2.4	3	0.20	- 0.70	7	14
1. SCOTLAND, E.	Ardrossan	51	28	44.0	33.4	38.7	- 0.8	4	0.31	- 0.59	*	*
	Silloth (Cumberland)	47	23	41.1	31.2	36.2	- 4.0	3	0.31	- 0.50	8	15
	Douglas (Isle of Man)	48	28	44.0	33.5	38.8	- 2.7	4	1.79	+ 0.76	10	19
2. ENGLAND, N.W.	Newton Reigny (Penrith)	47	22	38.2	29.4	33.8	- 5.2	4	0.16	?	5	10
	Barrow-in-Furness	48	29	41.7	34.1	37.9	- 4.1	5	1.01	?	*	*
	Stonyhurst	48	24	45.3	30.8	38.1	- 1.5	5	0.94	- 0.16	9	17
3. ENGLAND, S.W.	Blackpool	49	23	41.4	30.1	35.8	- 6.2	6	0.75	+ 0.01	5	9
	Manchester	48	25	39.2	30.7	35.0	- 5.4	6	1.16	+ 0.41	*	*
	Liverpool Obsr (Bidston)	48	29	41.3	36.0	38.7	- 2.6	5	0.98	+ 0.37	*	*
4. IRELAND, N.	Llandudno	49	29	45.7	36.1	40.9	- 2.0	5	1.04	+ 0.20	3	5
	Holyhead	51	34	46.9	40.1	43.5	- 1.0	6	1.37	+ 0.50	*	*
	Llandovery	48	25	42.6	32.1	37.4	- 3.6	6	0.94	?	*	*
5. IRELAND, S.	Pembroke	52	35	48.4	40.1	44.3	+ 0.3	5	1.21	+ 0.26	8	14
	Arlington (N. Devon)	48	25	44.7	32.9	38.8	- 2.4	7	1.30	?	*	*
	Cullompton	49	21	45.7	30.2	38.0	- 4.1	7	0.77	?	3	5
6. IRELAND, N.	Plymouth	50	36	47.3	39.8	43.6	- 1.4	6	1.43	+ 0.21	10	17
	Plymouth	51	30	47.4	34.9	41.2	- 2.6	6	0.89	+ 0.08	4	7
	Prawle Point	50	30	48.3	34.9	41.6	- 2.2	4	0.54	?	*	*
7. IRELAND, S.	Londonderry	50	32	44.8	35.7	40.3	- 0.8	7	1.37	+ 0.42	*	*
	Mullaghmore	50	35	47.3	38.1	42.7	+ 0.7	7	0.95	?	*	*
	Belmullet	50	33	47.6	38.1	42.9	- 1.2	7	1.06	?	*	*
8. IRELAND, N.	Markree Castle	48	24	43.7	34.6	39.2	- 1.9	7	1.45	+ 0.65	2	4
	Brookeborough	48	27	43.6	32.5	38.1	- 2.0	6	0.87	?	*	*
	Armagh	49	31	43.1	31.8	39.0	- 2.0	7	0.49	- 0.11	5	9
9. IRELAND, S.	Donaghadee	49	31	45.1	33.7	40.4	- 1.5	6	0.96	+ 0.28	*	*
	Dublin	51	32	44.3	35.7	40.0	- 2.0	5	0.16	- 0.37	14	25
	Parsonstown	51	25	45.3	32.3	38.8	- 2.0	5	0.29	- 0.32	11	20
10. IRELAND, N.	Kilkenny	51	24	45.3	32.1	38.7	- 2.3	4	0.54	?	*	*
	Waterford	52	28	46.2	35.6	39.9	- 3.0	4	0.66	- 0.24	*	*
	Roche's Point	52	33	47.9	36.1	42.0	- 1.8	4	0.47	- 0.54	*	*
11. IRELAND, S.	Valencia	55	29	50.4	39.1	44.8	- 1.3	7	0.87	- 0.40	11	20
	Killarney	51	21	45.9	34.7	40.3	- 3.8	6	0.83	?	*	*
	Foynes	53	32	49.9	40.2	45.1	+ 2.7	3	0.51	?	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	53	42	50.0	43.9	47.0	- 0.6	6	0.71	- 0.19	*	*
	Jersey (Noirmont)	51	37	47.6	40.6	44.1	- 0.5	7	1.12	+ 0.23	15	25

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.
‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

NOTE.—The maximum thermometer at Markree is out of order; values consequently unreliable.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY J. D. POTTER, 31, POULTRY, AND 11, KING STREET, TOWER HILL, AND E. STANFORD, 55, CHARING CROSS.

VOL. I. No. 49.]
New Series.

WEEK ENDING MONDAY, 8TH DECEMBER, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 196.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	48	29	43·6	34·3	39·1	1 below.	Day deg. 4	Day deg. 1969	Day deg. 29	Day deg. 530
	1. SCOTLAND, EAST	50	25	43·7	33·6	38·8	0 (average).	5	2582	32	526
	2. ENGLAND, N.E.	53	32	47·2	37·0	42·3	3 above.	23	2798	14	375
	3. ENGLAND, EAST	56	31	50·8	38·3	44·8	6 above.	35	3251	10	459
	4. MIDLAND COUNTIES	54	30	50·2	38·5	44·6	6 above.	33	3085	10	469
Principal Grazing, &c. Districts.	5. ENGLAND, SOUTH	56	30	52·3	41·0	46·8	6 above.	38	3453	3	280
	6. SCOTLAND, WEST	51	31	46·9	38·1	42·7	3 above.	21	2732	11	340
	7. ENGLAND, N.W.	55	32	48·5	39·3	44·1	3 above.	26	2956	8	335
	8. ENGLAND, S.W.	53	34	51·8	43·1	47·7	5 above.	40	3313*	0	164
	9. IRELAND, NORTH	54	33	47·7	38·2	43·1	2 above.	24	2827	11	333
Principal Wheat-producing Districts.	10. IRELAND, SOUTH	57	32	50·5	40·6	45·7	3 above.	32	3183	4	219
	— CHANNEL ISLANDS	55	42	53·1	47·0	50·2	4 above.	57	3724	0	9

DISTRICTS. (See p. 196.)		Rainfall.				Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of In. 19	10ths of In. 9 more.	222	Ins. 38·3	0	1140	0	25
	1. SCOTLAND, EAST	6	10	4 more.	181	21·9	8	1264	17	29
	2. ENGLAND, N.E.	5	9	2 more.	151	19·4	5	1226	10	27
	3. ENGLAND, EAST	6	10	4 more.	151	20·7	5	1483	9	33
	4. MIDLAND COUNTIES	7	12	6 more.	154	21·7	5	1273	10	28
Principal Grazing, &c. Districts.	5. ENGLAND, SOUTH	7	14	8 more.	152	22·0	3	1359	5	30
	6. SCOTLAND, WEST	7	25	13 more.	203	47·2	3	1187	7	26
	7. ENGLAND, N.W.	6	17	8 more.	177	30·4	2	1226	4	26
	8. ENGLAND, S.W.	7	26	16 more.	190	33·2	2	1442	4	31
	9. IRELAND, NORTH	7	16	8 more.	190	38·9	6	1048	11	23
Principal Wheat-producing Districts.	10. IRELAND, SOUTH	7	19	10 more.	195	34·8	5	1252	10	28
	— CHANNEL ISLANDS	7	22	13 more.	200	28·5	6	1837	11	43

General Remarks.

Weather has been very dull, rainy, and unsettled over the whole Kingdom: hail showers have fallen in various localities, while at some of the north-western stations thunder and lightning have been experienced.

Temperature has continued slightly below the mean in "Scotland, N." and has been about equal to it in "Scotland, E.", but in all other districts a decided rise has taken place, the values for the week over the greater part of England being 5° or 6° above the mean for the season. The maxima, which were recorded on different days in the various parts of the country, ranged from 57° in "Ireland, S." and 56° in most of the English districts, to 48° in "Scotland, N." The minima were generally registered on the 2nd, when the thermometer fell to 25° in "Scotland, E.", 29° in "Scotland, N.", and to between 30° and 34° in all other districts except the "Channel Islands", where the lowest reading was 42°.

Rainfall has been more than the mean in all places, the excess at our southern, western, and north-western stations being considerable.

* This value has been altered slightly owing to an error in the Returns from Culmpton.

Bright sunshine has been very deficient in all districts. The percentages of the possible duration varied from 17 in "Scotland, E." to 5 in "England, S." and to 4 in "England, S.W." and "England, N.W.", while in "Scotland, N." the weather was altogether sunless.

Depressions observed.—During the whole of this period the barometer has been highest in the southern part of our area, while a series of depressions has travelled north-eastwards over Scotland or the north of England, and some subsidiary disturbances in a similar direction over our more southern districts. Strong Southerly to Westerly winds have consequently prevailed in all parts of the country; and at times have attained the force of a gale, that experienced on our south-western and southern coasts on the 4th being especially severe.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
8 a.m.	6 p.m.		
		Tuesday, December 2. <i>Weather</i> fine in Norway and the north of Sweden, but cloudy elsewhere, with rain in many parts of our Islands and snow at Stockholm and Wisby. No important change later. <i>Temperature</i> risen several degrees, in the west and north, but fallen a little in the south-east; readings ranging from 53° at Scilly to 32° at Loughborough. Rapid rise taking place over England later. <i>Wind</i> Northerly in Sweden and Westerly in Ireland, but Southerly (varying between South-East and South-West) elsewhere. Fresh or strong in force in many places, with a gale in the north-east of Scotland. South-Westerly gale in the south of Ireland at night. <i>Sea</i> rough in the west and north. <i>Barometer</i> falling at all but the southern French stations. Areas of high pressure lying over France and the north of Sweden, with a depression over the Baltic and another off the north-west of Scotland. Scotch disturbance subsequently moving away northwards, but new depression approaching Ireland at night.	
		Wednesday, December 3. <i>Weather</i> cloudy and rainy in nearly all parts of western Europe. Some improvement taking place in west later. <i>Temperature</i> fallen a little in west and north, but risen several degrees elsewhere; readings ranging from 54° at Scilly and Jersey to 38° at Nairn. <i>Wind</i> Southerly on our north and east coasts, and South-Easterly in Norway, but South-Westerly or Westerly elsewhere; strong to a gale at several of our western, southern, and the French stations. Subsequently veering to West on our east coasts. <i>Sea</i> high at Mullaghmore, and rough in the west and south generally. <i>Barometer</i> rising a little in the south of Ireland, but falling elsewhere. Pressure highest in the south of France, with centre of a rather deep depression over the west of Scotland. Depression moving north-eastwards later, but new disturbance approaching Ireland at night.	
		Thursday, December 4. <i>Weather</i> cloudy and unsettled in all parts of Western Europe, with rain in England, Ireland, and France, and snow at some of the Scandinavian stations. Some improvement taking place in our Islands later, but lightning occurring at Spurn Head and Mullaghmore at night. <i>Temperature</i> fallen several degrees in our Islands, but risen at the Continental stations; readings ranging from 51° at Dungeness to 34° at Wick and Aberdeen. Frost in Scotland at night. <i>Wind</i> Easterly or South-Easterly in Scandinavia and also at some of our east coast stations, but chiefly Westerly elsewhere. Strong to whole gale reported in the south-west of our Islands. Gale subsequently extending to our east and south-east coasts. <i>Sea</i> high in the south-west and rough in the west and south generally. <i>Barometer</i> rising at some of the Irish stations, but falling elsewhere. Depression of previous day now lying to the north-eastward of the Shetlands, but new disturbance shown off the south-west of Scotland. Former system remaining stationary, but latter subsequently travelling eastwards. Recovery of pressure extending to all parts of our Islands later.	
		Friday, December 5. <i>Weather</i> fair in most parts of our Islands, with, however, showers locally; cloudy in Scandinavia, with snow at Stockholm. Dull, rainy weather setting in on our west and north-west coasts later. <i>Temperature</i> fallen in most places; readings ranging from 50° at Scilly to 30° at Aberdeen. <i>Wind</i> South-Easterly in Scandinavia, but Westerly over our Islands and France; strong in force on our western and southern coasts, with a gale at Scilly. Subsequently backing to South-West generally, and increasing to a gale in the extreme west and north-west. <i>Sea</i> high off the south-west of England and rough on most of our western and southern coasts. <i>Barometer</i> rising in most places. Depression of Wednesday now found between the Shetlands and west coast of Norway, and that of Thursday lying near the Skager Rack. Large disturbance appearing off west of Scotland later, and barometer falling in west and north-west.	

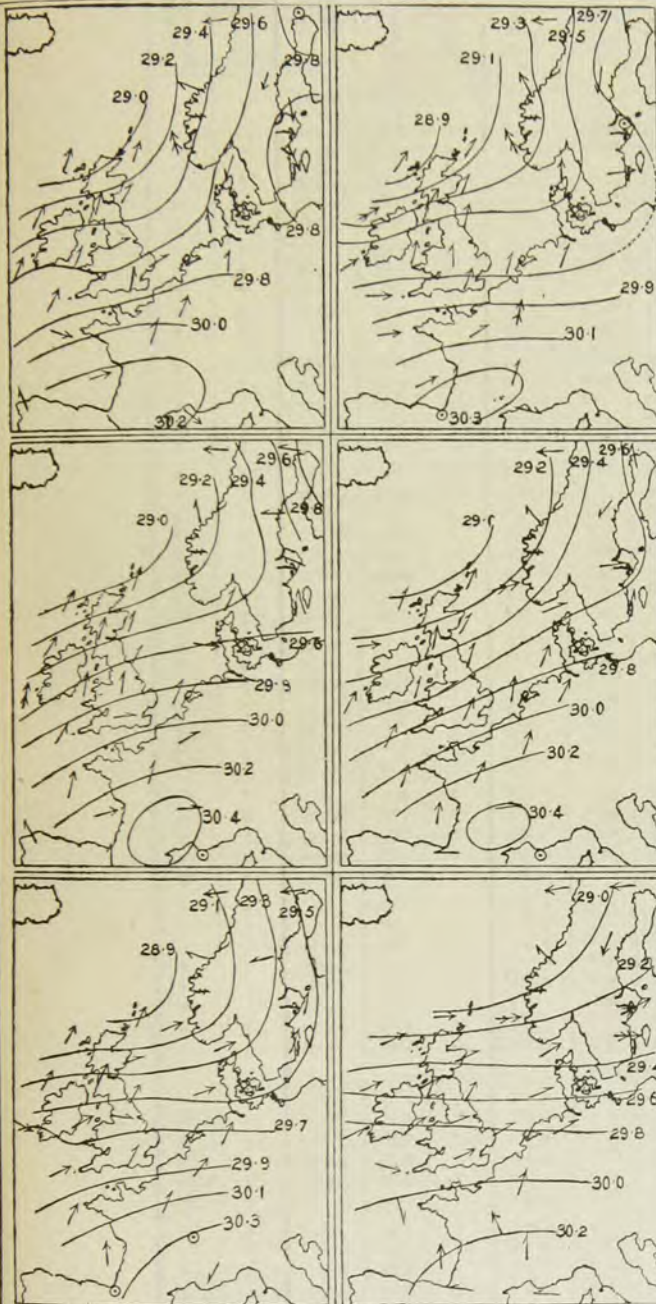
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Saturday, December 6.

Weather fine on the east coasts of Great Britain, but cloudy or overcast elsewhere, with rain in the south of England. Rain continuing in the south nearly all day, and showers falling in other parts of the Kingdom.

Temperature risen generally; readings ranging from 53° at Pembroke, Scilly, and in London to 39° at Wick.

Wind Northerly in Sweden and South-Easterly in Norway, but South-Westerly elsewhere; strong in force on our western and southern coasts. Fresh gale in north of Ireland at night.

Sea high at the mouth of the Channel and rough in the west and extreme north.

Barometer falling in all parts of our Islands, but rising at some of the Scandinavian stations. Depression of Thursday passing away over the Baltic, and large disturbance of Friday evening lying to the northward of Scotland. Rise taking place in west and south later.

Sunday, December 7.

Weather showery on our north-west coasts, with thunder and lightning in the north of Ireland, but fair or fine elsewhere. Rain setting in at our western and southern stations later. Lightning occurring in the northern parts of Scotland and Ireland at night.

Temperature fallen slightly; readings ranging from 52° at Valencia, Pembroke, and Scilly, to 38° at Wick, Nairn, and Aberdeen.

Wind South-Westerly at all but the Swedish stations; strong on our western and southern coasts, with a gale at Valencia. Fresh South-Westerly gale occurring in the Channel at night.

Sea high off the west of Ireland, and rough in the west, south, and extreme north generally.

Barometer falling in Scandinavia and also in the west of Ireland, but rising elsewhere. Anticyclone lying over the south of France, with large area of low pressure off the north of Scotland. Fall taking place later in all parts of our Islands.

Monday, December 8.

Weather rainy in the south of England, the north of France, and the Netherlands, but fair elsewhere, with, however, showers locally. Lightning seen at Roche's Point at night.

Temperature fallen slightly; readings ranging from 52° at Dungeness to 36° at Nairn and Aberdeen.

Wind Easterly in the north of Scandinavia, but South-Westerly elsewhere; fresh or strong in force in many parts of our Islands.

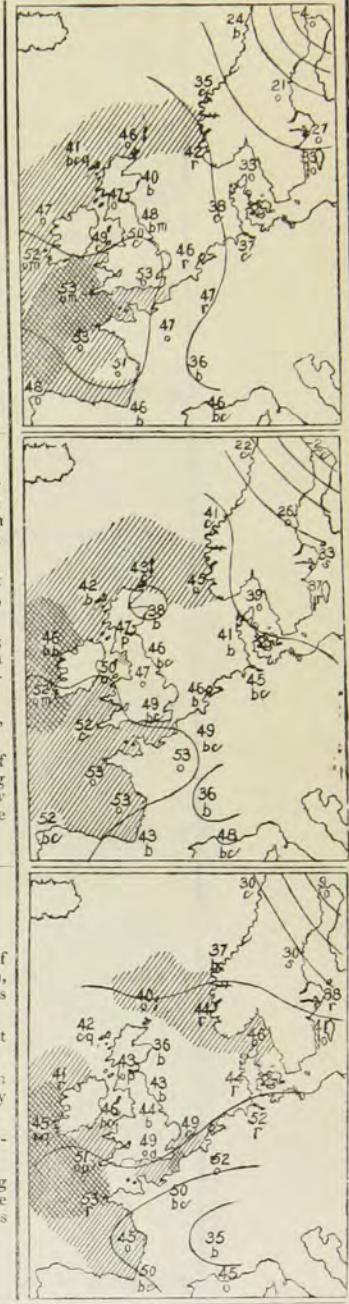
Sea high at Valencia, and rough on our west and south-coasts generally.

Barometer rising in the west of our Islands, but falling elsewhere. Large area of low pressure lying to the northward of Scotland. Barometer rising in all parts of the Kingdom later.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 193 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	46	29	44.7	34.7	39.9	- 0.7	7	Inches. 3.19	Inches. +2.23	•	•
	Stornoway	48	32	43.7	34.7	39.4	- 0.8	7	1.89	+0.71	0	0
	Wick	45	30	42.3	33.4	38.0	- 1.7	5	0.47	-0.28	•	•
1. SCOTLAND, E.	Nairn	46	25	41.1	32.6	37.0	- 1.8	6	1.09	+0.62	•	•
	Aberdeen	47	28	43.6	33.0	38.5	+ 0.2	4	0.66	-0.09	8	17
	Leith	50	24	46.3	35.3	41.0	+ 2.2	7	1.20	+0.75	•	•
2. ENGLAND, N.E.	Alnwick Castle	49	33	44.7	36.4	40.7	+ 2.0	5	1.69	?	•	•
	Shields	53	33	48.4	37.1	43.0	+ 3.1	5	0.93	+0.23	•	•
	Scarborough	50	33	45.6	37.6	41.8	+ 2.6	6	0.69	-0.08	•	•
	York	53	32	49.4	37.1	43.5	+ 4.3	5	0.55	-0.01	5	10
	Spurn Head	51	33	47.7	36.9	42.5	+ 2.8	5	0.44	?	•	•
3. ENGLAND, E.	Hillington	51	33	49.2	37.1	43.4	+ 4.3	6	0.70	+0.10	3	6
	Yarmouth	54	32	50.7	38.0	44.6	+ 4.9	6	0.95	+0.25	•	•
	Geldeston	55	35	51.0	39.7	45.6	+ 5.7	5	0.86	+0.27	5	9
	Cambridge	56	31	52.3	37.0	45.0	+ 5.8	7	0.85	+0.40	6	11
	Rothamsted	54	31	50.8	39.9	45.6	+ 6.0	7	1.42	+0.82	•	•
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	54	32	50.1	36.1	43.4	+ 3.4	5	0.61	+0.06	•	•
	Loughborough	54	32	50.7	38.0	44.6	+ 5.9	7	0.89	+0.35	•	•
	Leicester	54	32	49.9	39.3	44.8	+ 6.5	7	1.13	+0.62	4	8
	Cheadle	50	30	46.8	36.2	41.7	+ 3.2	7	1.02	?	•	•
	Churchstoke	55	30	50.3	38.8	44.8	+ 5.9	6	1.38	?	5	9
	Hereford	56	33	51.6	39.9	46.0	+ 6.8	7	0.90	+0.33	•	•
	Cirencester	53	33	50.1	39.6	45.1	+ 5.9	7	2.23	+1.57	5	9
	Oxford	55	33	52.1	40.1	46.3	+ 6.4	7	1.06	+0.57	7	13
5. ENGLAND, S.	London†	55	33	53.1	40.1	46.3	+ 6.2	7	1.17	+0.67	2	4
	Marlborough	53	33	50.7	39.8	45.5	+ 6.3	7	1.27	+0.61	3	5
	Strathfield Turgiss	55	37	53.0	39.4	46.5	+ 6.6	7	1.00	+0.46	•	•
	Dungeness	54	30	52.6	38.7	45.9	+ 3.7	7	1.15	?	•	•
	Hastings (St. Leonard's)	54	34	51.3	42.9	47.3	+ 5.1	7	1.70	+0.98	3	5
	Southampton	56	36	52.7	42.7	47.9	+ 7.7	7	1.90	+1.20	4	7
	Hurst Castle	55	36	52.7	43.6	48.3	+ 5.7	7	1.87	+1.19	•	•
	Laudale (Loch Sunart)	51	35	46.3	37.9	42.3	+ 1.8	7	3.44	?	•	•
6. SCOTLAND, W.	Glasgow	49	34	44.4	36.4	40.6	+ 1.1	7	2.05	+1.12	2	4
	Ardrossan	50	31	47.7	37.1	42.6	+ 3.2	6	2.89	+1.97	•	•
	Silloth (Cumberland)	50	31	46.9	37.7	42.5	+ 2.6	6	1.60	+0.90	3	6
	Douglas (Isle of Man)	51	34	49.4	41.2	45.5	+ 4.1	7	2.34	+1.28	5	10
	Newton Reigny (Penrith)	49	32	44.9	37.0	41.1	+ 2.4	7	1.84	?	4	8
7. ENGLAND, N.W.	Barrow-in-Furness	50	33	48.4	39.1	43.9	+ 2.2	7	1.52	?	•	•
	Stonyhurst	52	32	48.7	38.0	43.6	+ 4.4	7	2.47	+1.37	3	6
	Blackpool	50	32	48.1	39.0	43.7	+ 2.0	7	1.73	+0.98	1	2
	Manchester	53	33	47.2	37.6	42.6	+ 2.5	5	1.85	+1.10	•	•
	Liverpool Obs ² (Bidston)	55	33	50.7	38.1	44.7	+ 3.8	6	1.22	+0.58	•	•
	Llandudno	54	35	49.5	42.0	45.9	+ 3.6	5	1.13	+0.30	0	0
	Holyhead	53	37	50.3	43.4	47.0	+ 2.8	5	1.59	+0.69	•	•
8. ENGLAND, S.W.	Llandovery	53	34	50.3	40.3	45.5	+ 4.8	7	3.38	?	•	•
	Pembroke	54	37	52.0	45.6	49.0	+ 5.3	7	1.28	+0.33	1	2
	Arlington (N. Devon)	53	35	50.1	41.4	45.9	+ 4.7	7	4.43	?	•	•
	Cullompton	56	34	52.9	41.9	47.6	+ 5.9	7	2.24	?	1	2
	Falmouth	54	42	53.0	45.6	49.5	+ 4.8	7	2.44	+1.21	5	9
	Plymouth	55	36	52.9	44.1	48.7	+ 5.3	7	1.81	+0.96	2	4
	Prawle Point	54	35	51.7	43.0	47.5	+ 4.1	7	2.66	?	•	•
9. IRELAND, N.	Londonderry	53	35	49.2	37.5	43.6	+ 2.6	7	1.66	+0.75	•	•
	Mullaghmore	53	38	48.7	40.6	44.8	+ 2.6	7	1.63	?	•	•
	Belmullet	52	38	47.7	40.6	44.3	+ 0.1	7	2.35	?	•	•
	Markree Castle	50	33	45.6	36.5	41.2	?	7	1.78	+0.98	5	10
	Brookeborough	51	34	47.1	37.1	42.3	+ 2.1	7	1.39	?	•	•
	Armagh	50	35	47.1	37.8	42.6	+ 1.8	6	1.04	+0.43	6	12
	Donaghadee	54	34	48.4	37.4	43.1	+ 1.4	5	0.99	+0.34	•	•
10. IRELAND, S.	Dublin	55	37	51.1	41.0	46.3	+ 4.5	7	0.99	+0.45	8	15
	Parsonstown	54	33	49.0	38.0	43.7	+ 3.2	7	2.73	+2.08	4	8
	Kilkenny	54	32	49.1	37.0	43.3	+ 2.7	7	1.55	?	•	•
	Waterford	53	36	49.6	39.7	44.8	+ 2.2	5	0.90	-0.04	•	•
	Roche's Point	55	38	50.9	42.3	46.8	+ 3.3	6	1.97	+0.93	•	•
	Valencia	57	39	52.7	43.3	48.2	+ 2.3	7	2.19	+0.76	4	7
	Killarney	57	40	51.6	44.1	48.0	+ 4.1	7	3.25	?	•	•
CHANNEL ISLANDS	Foynes	55	36	49.9	39.2	44.7	+ 2.5	7	1.90	?	•	•
	Seilly (St. Mary's)	55	43	53.1	47.6	50.5	+ 3.0	7	1.25	+0.33	•	•
	Jersey (Noirmont)	54	42	53.0	46.4	49.8	+ 3.6	7	3.06	+2.17	6	11

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.," and no average for the years 1868-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

NOTE.—The maximum thermometer at Markree is out of order; values consequently unreliable.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY J. D. POTTER, 31, POULTRY, AND 11, KING STREET, TOWER HILL, AND E. STANFORD, 55, CHARING CROSS.

VOL. I. No. 50.]
New Series.

WEEK ENDING MONDAY, 15TH DECEMBER, 1884.

[Price 4d.
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post paid, £1 1s. 2d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 200.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	51	33	45.9	36.8	41.5	2 above.	Day deg. 11	Day deg. 1980	Day deg. 22	Day deg. 561*
	1. SCOTLAND, EAST	55	33	48.0	37.8	43.0	5 above.	25	2607	12	538
	2. ENGLAND, N.E.	55	33	48.7	39.0	44.0	5 above.	27	2825	8	383
	3. ENGLAND, EAST	55	31	48.8	38.9	44.0	5 above.	27	3278	9	459
	4. MIDLAND COUNTIES	58	32	49.0	39.7	44.5	6 above.	27	3112	6	475
	5. ENGLAND, SOUTH	55	30	50.7	41.5	46.3	6 above.	32	3485	1	281
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	53	34	48.0	40.9	44.6	5 above.	23	2755	3	343
	7. ENGLAND, N.W.	55	33	49.1	41.5	45.5	5 above.	27	2983	1	336
	8. ENGLAND, S.W.	55	28	50.5	42.5	46.7	4 above.	33	3343	0	164
	9. IRELAND, NORTH	55	31	48.3	39.3	44.0	3 above.	25	2852	8	341
	10. IRELAND, SOUTH	56	27	50.3	40.4	45.5	3 above.	31	3214	4	223
	— CHANNEL ISLANDS	54	38	51.9	45.9	49.1	4 above.	50	3774	0	9

DISTRICTS. (See p. 200.)		Rainfall.					Bright Sunshine.			
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.	
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of In. 17	10ths of In. 7 more.	229	Ins. 40.0	0	1140	0	24
	1. SCOTLAND, EAST	5	8	2 more.	186	22.7	4	1268	9	28
	2. ENGLAND, N.E.	4	3	4 less.	155	19.7	1	1227	2	26
	3. ENGLAND, EAST	5	4	2 less.	156	21.1	4	1487	8	32
	4. MIDLAND COUNTIES	5	5	1 less.	159	22.2	2	1275	4	27
	5. ENGLAND, SOUTH	6	10	4 more.	158	23.0	2	1352	3	30
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	6	26	6 more.	209	49.8	4	1191	8	26
	7. ENGLAND, N.W.	7	14	5 more.	184	31.8	3	1229	5	26
	8. ENGLAND, S.W.	7	12	2 more.	197	34.4	3	1445	6	31
	9. IRELAND, NORTH	7	14	6 more.	197	40.3	6	1054	12	23
	10. IRELAND, SOUTH	6	12	3 more.	201	36.0	9	1261	18	28
	— CHANNEL ISLANDS	7	9	0 (average).	207	29.4	5	1842	9	43

General Remarks.

Weather has continued in a dull, unsettled, and rainy condition generally. Some hail or sleet showers were experienced at several of our western and northern stations towards the close of the period, while in a few places lightning was observed.

Temperature has been above the mean in all districts, the excess varying from 2° in "Scotland, N." to as much as 5° or 6° over the greater part of England. The maxima, which were recorded in most places on the 15th, ranged from 58° in the "Midland Counties" (at Hereford), and 55° or 56° in nearly all other districts, to 51° in "Scotland, N." The minima were generally registered on the 10th, and varied from 27° in "Ireland, S." and 28° in "England, S.W.", to 34° in "Scotland, W." and 38° in the "Channel Islands".

Rainfall has been rather less than the mean over eastern, central, and north-eastern England, and about equal to its normal value in the "Channel Islands", but in all other parts of the Kingdom a decided excess is shown.

Bright sunshine has again been very deficient over the whole country. In most of the English and Scotch districts there has only been between 2% and 9% of the possible number of hours, and over Ireland between 12% and 18%, while in "Scotland, N." the weather was again quite sunless.

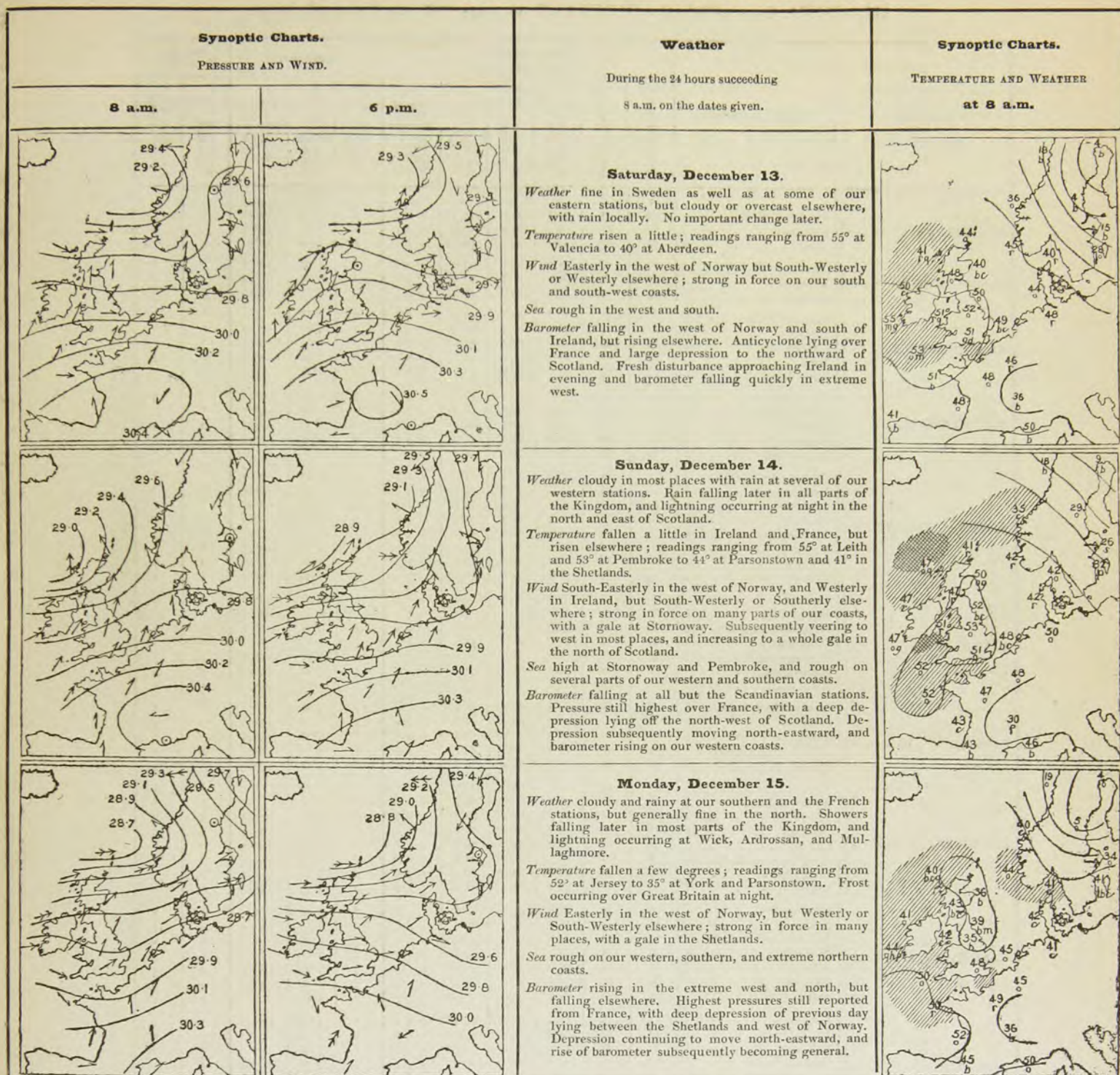
Depressions observed.—The distribution of barometric pressure has continued very similar to that of last week, pressure being highest over France, with rather deep depressions travelling in a north-easterly direction outside, or over, our north-western and northern coasts. Southerly to South-Westerly winds have consequently been very general, and though moderate-to fresh on most days, have at times blown fresh or strong gales on many of our coasts, while in the north of Scotland on the 14th the force of a whole gale was reached.

* This value has been altered slightly owing to a telegraphic error in the Reports from Sumburgh Head.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather	Synoptic Charts. TEMPERATURE AND WEATHER	
8 a.m.	6 p.m.	During the 24 hours succeeding 8 a.m. on the dates given.	at 8 a.m.	
		Tuesday, December 9. <i>Weather</i> rainy in the south of England and north of France, but fair at our northern stations, with, however, showers locally. Improvement taking place in south later. Lightning seen at night at Wick and Aberdeen. <i>Temperature</i> fallen generally; readings ranging from 45° at Pembroke and Scilly to 34° at Aberdeen and Donaghadee. Frost occurring at some of the inland stations at night. <i>Wind</i> light and variable in the south of England, but South-Westerly elsewhere; strong to a gale in the Bay of Biscay. Subsequently shifting to North-West over the Channel and west of France. <i>Sea</i> rough in the west and south-west, and also at Sum-burgh Head. <i>Barometer</i> rising at all but our southern and the French stations. Pressure highest in the south-east of France and lowest off the west of Norway, but large shallow depression lying over the English Channel. Depression subsequently moving eastwards, and barometer rising on our southern coasts.		
		Wednesday, December 10. <i>Weather</i> fair at most of our eastern, southern, and the Continental stations, but dull and rainy on our western coasts. Cloud and rain subsequently extending to all parts of our Islands. <i>Temperature</i> risen over the United Kingdom, but fallen on the Continent; readings ranging from 51° at Scilly to 38° at Nairn, Cambridge, and Yarmouth. <i>Wind</i> generally South-Westerly; moderate in force on our eastern coasts, but strong to a gale in the west and north-west. Gale extending to the Channel later, but wind veering in west and moderating. <i>Sea</i> high at Valencia, and rough in the west and north-west generally. <i>Barometer</i> falling briskly on all our western coasts, but rising elsewhere. Anticyclone lying over France, and deep depression moving along the Irish coasts. Depression subsequently moving northwards, but fall of barometer extending to all parts of our Islands.		
		Thursday, December 11. <i>Weather</i> fair in the north and east, but rainy at Valencia and showery at several of our south-western stations. Rain falling later on all but our north-east coasts. <i>Temperature</i> risen a little in most places; readings ranging from 52° at Valencia and Scilly to 42° at Cambridge. <i>Wind</i> South-Easterly in the west of Norway, but South-Westerly or Westerly elsewhere; strong in force at many of the English, Irish, and French stations. Subsequently veering to North-West in Ireland, and blowing fresh gale from West in the Channel. <i>Sea</i> rough in the west and south. <i>Barometer</i> rising on our extreme north-west coasts, but falling elsewhere. Pressure highest over the south of France and lowest to the northward of Scotland. Subsidiary depression subsequently passing eastwards across the south of England.		
		Friday, December 12. <i>Weather</i> rainy in Sweden and also on our north-west coasts, but fair or fine elsewhere. Cloud and rain extending later to nearly all parts of our Islands. <i>Temperature</i> fallen slightly; readings ranging from 52° at Valencia to 35° in the Shetlands. <i>Wind</i> North-Westerly at most of the Continental stations and Westerly in the east and south of our Islands, but South-Westerly in Ireland and the west of Scotland; strong in force on many parts of our western coasts. Subsequently backing to South-West on all coasts. <i>Sea</i> rough off the west of Ireland as well as at the mouth of the Channel. <i>Barometer</i> falling on our extreme western coasts, but rising elsewhere. Anticyclone lying over the Bay of Biscay, with depression over the Baltic and another disturbance approaching the west of Scotland. Latter system moving northwards later, and barometer falling on all our northern coasts.		

SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 197 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	48	33	45.3	36.6	41.1	+ 0.7	7	Inches. 1.91	Inches. +0.98	*	*
	Stornoway	51	35	47.4	37.4	42.6	+ 2.7	7	2.03	+0.79	0	0
	Wick	49	35	45.0	36.3	40.8	+ 1.5	7	1.05	+0.32	*	*
1. SCOTLAND, E.	Nairn	53	35	48.3	37.0	42.8	+ 4.6	5	1.02	+0.57	*	*
	Aberdeen	53	33	46.3	35.7	41.2	+ 3.1	4	0.46	-0.29	4	9
	Leith	55	35	49.3	40.6	45.1	+ 6.7	6	0.87	+0.45	*	*
2. ENGLAND, N.E.	Alnwick Castle	52	33	47.7	38.6	43.3	+ 5.1	4	0.32	?	*	*
	Shields	54	37	49.6	39.0	44.5	+ 5.3	3	0.21	-0.49	*	*
	Scarborough	53	35	48.5	39.5	44.2	+ 5.5	4	0.24	-0.51	*	*
	York	55	35	50.3	38.3	44.5	+ 5.6	5	0.32	-0.26	1	2
	Spurn Head	52	37	47.4	39.6	43.7	+ 5.0	4	0.30	?	*	*
3. ENGLAND, E.	Hillington	53	31	48.3	38.3	43.5	+ 4.9	5	0.33	-0.28	4	8
	Yarmouth	53	33	48.3	39.0	43.8	+ 4.5	5	0.33	-0.37	*	*
	Geldeston	54	34	48.5	39.7	44.3	+ 5.0	4	0.34	-0.21	5	9
	Cambridge	55	32	49.6	37.9	43.9	+ 4.9	4	0.28	-0.17	3	6
	Rothamsted	54	35	49.2	39.5	44.5	+ 6.1	5	0.60	0.00	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	57	34	49.4	37.1	43.5	+ 4.1	5	0.23	-0.34	*	*
	Loughborough	54	36	49.1	41.1	45.3	+ 6.9	5	0.43	-0.11	*	*
	Leicester	54	35	48.1	39.4	43.9	+ 5.7	4	0.23	-0.26	1	2
	Cheadle	53	32	48.1	39.1	43.8	+ 5.6	5	0.67	?	*	*
	Churchstoke	56	32	49.9	39.1	44.7	+ 6.0	4	0.53	?	7	13
	Hereford	58	34	50.5	40.1	45.5	+ 6.3	4	0.38	-0.22	*	*
	Cirencester	52	33	47.6	39.4	43.7	+ 4.6	6	0.61	-0.09	0	0
5. ENGLAND, S.	Oxford	54	35	49.4	42.0	45.9	+ 6.5	5	0.40	-0.09	1	2
	London†	55	34	50.6	40.9	45.9	+ 6.2	6	0.59	+0.09	0	0
	Marlborough	53	33	48.4	38.6	43.7	+ 5.0	5	0.71	+0.06	0	0
	Strathfield Turgiss	55	30	50.9	39.6	45.5	+ 6.1	4	0.63	+0.11	*	*
	Dungeness	53	36	50.9	43.3	47.3	+ 5.4	7	1.57	?	*	*
	Hastings (St. Leonard's)	52	35	50.4	41.7	46.2	+ 4.4	6	1.52	+0.82	4	7
	Southampton	55	35	51.0	41.1	46.2	+ 6.4	5	1.03	+0.29	2	4
6. SCOTLAND, W.	Hurst Castle	54	39	52.6	45.4	49.2	+ 7.0	6	0.84	+0.18	*	*
	Laudale (Loch Sunart)‡	53	36	48.5	40.5	44.7	+ 4.3	7	6.51	?	*	*
	Glasgow	53	34	46.9	38.0	42.6	+ 3.4	7	2.03	+1.04	0	0
	Adrossan	50	38	48.4	41.9	45.3	+ 6.1	7	1.38	+0.44	*	*
	Silloth (Cumberland)	51	39	47.4	41.7	44.7	+ 5.2	5	1.68	+0.98	3	6
7. ENGLAND, N.W.	Douglas (Isle of Man)	53	38	48.9	42.6	45.9	+ 4.5	6	1.17	+0.07	9	18
	Newton Reigny (Penrith)	52	33	47.3	38.4	43.0	+ 4.8	7	1.79	?	6	12
	Barrow-in-Furness	50	41	48.1	43.0	45.7	+ 4.2	7	0.97	?	*	*
	Stonyhurst	52	33	49.0	39.0	44.2	+ 5.2	7	2.44	+1.33	1	2
	Blackpool	53	38	48.6	42.5	45.7	+ 4.2	7	1.20	+0.42	1	2
	Manchester	54	34	48.3	39.3	44.0	+ 4.3	7	1.44	+0.68	*	*
	Liverpool Obs. (Bidston)	55	36	50.4	42.4	46.6	+ 5.8	7	0.79	+0.15	*	*
8. ENGLAND, S.W.	Llandudno	55	36	50.8	42.8	47.0	+ 4.8	6	1.23	+0.44	?	?
	Holyhead	52	40	50.0	44.4	47.4	+ 4.2	6	1.13	+0.23	*	*
	Llandovery	53	28	49.4	37.9	43.9	+ 3.2	7	2.27	?	*	*
	Pembroke	53	44	51.1	46.7	49.1	+ 5.7	6	0.91	-0.04	6	11
	Arlington (N. Devon)	52	35	48.6	39.9	44.4	+ 3.5	7	2.17	?	*	*
	Cullompton	55	33	50.6	41.1	46.0	+ 4.7	6	0.71	?	1	2
	Falmouth	54	41	51.4	45.0	48.3	+ 3.9	7	1.00	-0.23	3	5
9. IRELAND, N.	Plymouth	54	35	52.0	43.9	48.1	+ 5.0	7	0.68	-0.19	2	4
	Prawle Point	54	38	50.7	42.7	46.9	+ 3.7	6	0.81	?	*	*
	Londonderry	54	34	48.9	38.8	44.0	+ 3.3	7	1.17	+0.27	*	*
	Mullaghmore	55	36	49.3	41.9	45.8	+ 3.9	7	1.48	?	*	*
	Belmullet	54	37	49.3	41.9	45.8	+ 1.7	7	1.83	?	*	*
10. IRELAND, S.	Markree Castle	53	31	47.2	38.1	42.8	+ 1.6	7	1.60	+0.80	6	12
	Brookeborough	53	32	47.5	37.7	42.8	+ 2.7	7	1.70	?	*	*
	Armagh	55	33	48.4	38.5	43.7	+ 3.2	7	0.89	+0.25	6	12
	Donaghadee	52	32	47.7	38.4	43.2	+ 1.7	6	0.76	+0.12	*	*
	Dublin	56	35	50.3	41.3	46.0	+ 4.6	4	0.46	-0.09	12	23
CHANNEL ISLANDS	Parsonstown	55	33	49.3	38.6	44.1	+ 3.8	7	1.30	+0.64	7	13
	Kilkenny	56	27	48.9	35.9	42.7	+ 2.5	7	0.69	?	*	*
	Waterford	55	31	49.1	39.4	44.4	+ 1.9	6	0.66	-0.32	*	*
	Roche's Point	55	36	51.1	41.9	46.7	+ 3.5	6	1.24	+0.15	*	*
	Valencia	56	33	52.6	44.0	48.5	+ 2.8	7	1.63	+0.26	9	17
CHANNEL ISLANDS	Killarney	56	33	51.4	41.4	46.6	+ 2.5	7	2.37	?	*	*
	Foynes	55	35	49.4	40.9	45.3	+ 3.1	7	1.55	?	*	*
	Scilly (St. Mary's)	54	42	52.4	46.9	49.9	+ 2.6	7	0.39	-0.54	*	*
CHANNEL ISLANDS	Jersey (Noirmont)	52	38	51.3	44.9	48.3	+ 4.3	7	1.41	+0.53	5	9

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.
‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

NOTE.—The maximum thermometer at Markree is out of order; values consequently unreliable. The Sunshine Recorder at Llandudno is out of action.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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New Series.

WEEK ENDING MONDAY, 22ND DECEMBER, 1884.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861-80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866-80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 204.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	43	28	40.1	32.3	36.4	3 below.	Day deg. 0	Day deg. 1980	Day deg. 39	Day deg. 500
	1. SCOTLAND, EAST	44	26	38.8	30.8	35.0	3 below.	0	2607	40	587
	2. ENGLAND, N.E.	46	30	41.8	34.4	38.2	0 (average).	0	2825	27	410
	3. ENGLAND, EAST	49	28	42.7	33.8	38.4	0 (average).	2	3280	30	489
	4. MIDLAND COUNTIES	52	28	42.2	33.2	37.9	1 below.	1	3113	32	507
	5. ENGLAND, SOUTH	51	30	45.5	34.8	40.3	0 (average).	10	3495	29	310
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	49	25	41.9	33.4	37.8	2 below.	0	2755	29	372
	7. ENGLAND, N.W.	50	23	43.1	35.8	39.6	1 below.	3	2986	24	360
	8. ENGLAND, S.W.	52	27	46.1	36.1	41.3	1 below.	11	3357	25	189
	9. IRELAND, NORTH	48	23	42.2	33.0	37.8	4 below.	1	2853	33	374
	10. IRELAND, SOUTH	56	24	46.4	34.0	40.4	2 below.	12	3226	32	255
	— CHANNEL ISLANDS	53	36	48.2	42.0	45.2	0 (average.)	22	3796	0	9
DISTRICTS. (See p. 204.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of In. 6	10ths of In. 3 less.	233	In. 40.6	3	1143	7	24	
	1. SCOTLAND, EAST	3	5	0 (average).	189	23.2	7	1275	15	28	
	2. ENGLAND, N.E.	5	6	0 (average).	160	20.3	1	1228	2	26	
	3. ENGLAND, EAST	5	9	3 more.	161	22.0	7	1404	13	32	
	4. MIDLAND COUNTIES	5	8	2 more.	164	23.0	10	1235	18	27	
	5. ENGLAND, SOUTH	5	7	1 more.	163	23.7	13	1365	24	30	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	4	12	1 more.	213	50.8*	10	1201	19	25	
	7. ENGLAND, N.W.	4	9	1 more.	188	32.7	7	1236	14	26	
	8. ENGLAND, S.W.	5	14	4 more.	202	35.8	9	1454	17	30	
	9. IRELAND, NORTH	5	14	6 more.	202	41.7	5	1059	9	23	
	10. IRELAND, SOUTH	5	9	1 less.	206	36.9	8	1269	16	28	
	— CHANNEL ISLANDS	5	8	1 less.	212	30.2	7	1849	13	42	

General Remarks.

Weather has been cloudy or dull generally, with somewhat frequent falls of rain, hail, or sleet. Thunderstorms occurred in some parts of central England on the 18th or 19th, and in many other places lightning was observed.

Temperature has been considerably lower than of late in all districts. In "England, N.E.," "England, E.," "England, S.," and the "Channel Islands" it has been about equal to the mean for the season, but in all other districts it has varied from 1° to 4° below. The maxima, which were registered at most stations on the 18th, ranged from 56° in "Ireland, S." and 53° in the "Channel Islands," to 44° in "Scotland, E." and 43° in "Scotland, N." The minima, which were recorded on various dates, ranged from 23° in "England, N.W." and "Ireland, N." to 36° in "England, N.E." and "England, S.," and to 36° in the "Channel Islands."

Rainfall has been rather less than the mean in "Scotland, N.," "Ireland, S.," and the "Channel Islands," and about equal to it in "Scotland, E.," and "England, N.E.," but in excess over all other districts.

Bright sunshine, though more prevalent than it was last week, has still been very deficient, the percentages of the possible duration ranging from 2 in "England, N.E." to 19 in "Scotland, W." and to 24 in "England, S."

Depressions observed.—During the earlier part of this period the barometer continued highest over France and rather large cyclonic systems moved in a north-easterly or easterly direction to the northward of Scotland. The wind was consequently fresh or strong from between south and west and occasionally reached the force of a gale—especially in the north and west. By 8 A.M. on the 20th, however, the centre of a new and deep depression, which had advanced rapidly from the west-north-westward, lay a little to the eastward of Yarmouth, producing violent gales from the westward or north-westward over our south-western coasts and the north and west of France, and moderate or fresh gales at most of our western stations and over the greater part of England. By the following morning the depression was disappearing over the Gulf of Genoa, the barometer in our Islands had risen with unusual rapidity, and the gales had subsided. At the close of the period a large anticyclone, which stretched east-north-eastwards from Ireland to the south of Sweden had been formed, and the wind on our south-eastern and southern coasts had shifted to the north-eastward.

* This value has been altered slightly owing to a telegraphic error in the Reports from Ardrossan.

II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts. PRESSURE AND WIND.		Weather During the 24 hours succeeding 8 a.m. on the dates given.	Synoptic Charts. TEMPERATURE AND WEATHER at 8 a.m.
-8 a.m.	6 p.m.	Tuesday, December 16. <i>Weather</i> changeable and showery, especially in the west and north; hail and sleet at times in several places. <i>Temperature</i> changed very little, but air raw. Readings varying from 46° on our south-western coasts to 34° in the north-east of Scotland. <i>Wind</i> Westerly and South-Westerly, strong in the north-west and north, moderate elsewhere; subsequently lulling in north also. <i>Sea</i> rough except on our east and north-east coasts. <i>Barometer</i> unsteady. Pressure highest over France, lowest in north; depression in north passing off, but subsidiary disturbances crossing our Islands in an easterly direction.	
		Wednesday, December 17. <i>Weather</i> again unsettled, squally, and showery except in north-east, with hail or sleet in most places. <i>Temperature</i> unsteady, but inclined to fall. Readings at 8 a.m. as low as 30° at Aberdeen, 31° at Parsonstown, and 34° at York, but 46° at Scilly. <i>Wind</i> North-Westerly, strong to fresh, but moderating in the south later. <i>Sea</i> rough in west, south, and far north. <i>Barometer</i> rising in far north, falling elsewhere. Arm (or "hollow") of low pressure formed over North Sea.	
		Thursday, December 18. <i>Weather</i> again dull, squally, and showery at first, but sky clearing in many places towards night. Lightning seen very generally. <i>Temperature</i> risen considerably—first in the west and north-west, then in the east. <i>Wind</i> back to South-South-West or South-West, and blowing strongly; veering again later, but still blowing hard. <i>Sea</i> rough in west and north-west. <i>Barometer</i> highest in south-west of France, lowest in north; new depressions approaching our north-western stations.	
		Friday, December 19. <i>Weather</i> very changeable, squally, and unsettled, with cold showers at times. Lightning in west at night. Some temporary improvement over England later. <i>Temperature</i> varying greatly—risen in some places (chiefly over England), fallen elsewhere. <i>Wind</i> strong from the Westward—blowing a gale in the Channel. Backing to South-West at our western stations later on, and blowing hard. <i>Sea</i> high in the west and south. <i>Barometer</i> still highest in far south, lowest in north. New deep depression near the Hebrides, and another coming rapidly towards Ireland from the westward later.	

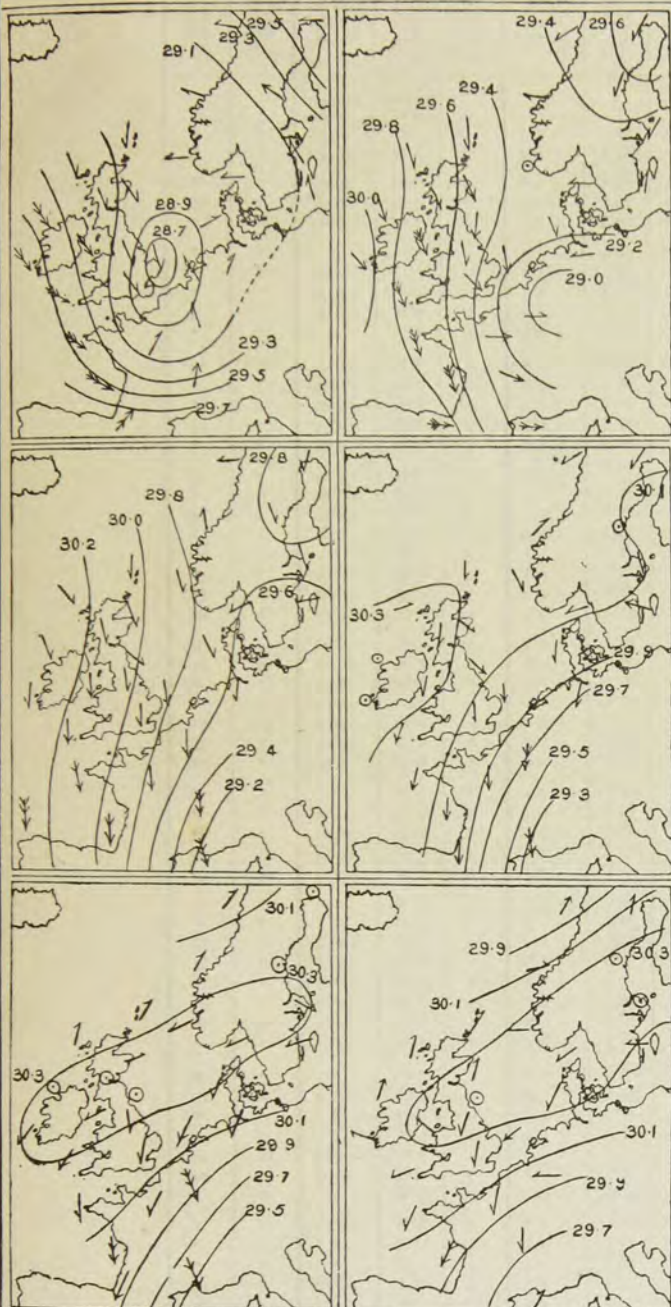
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding
8 a.m. on the dates given.

Saturday, December 20.

Weather very wild and rough over Ireland and England, but quieter than of late in the north. Some cold showers at times, but not heavy.

Temperature fallen generally; air dry and penetrating.

Wind North-Westerly to North-Westerly, moderate in the North, but blowing hard elsewhere, especially at the South-Western stations.

Sea very high in west, rough in south and east.

Barometer falling rapidly, and then rising with still greater rapidity as a deep depression passed very quickly over the country in an easterly direction.

Sunday, December 21.

Weather improving decidedly, but air very cold. Some cold showers in the east—none elsewhere.

Temperature now falling over England, and becoming low everywhere, except in extreme south-west.

Wind Northerly, strong to moderate in the east, moderate to light elsewhere, but gusty at times.

Sea rough in east and south, gone down elsewhere.

Barometer rising rapidly, highest in west, lowest in east; gradients still rather steep in east, but decreasing.

Monday, December 22.

Weather much quieter than for many days; but dull in the south-east, fine and bright elsewhere.

Temperature low generally, especially over east of Scotland. Readings at 8 a.m. as low as 27° at Aberdeen, 31° at Leith, and also at Parsonstown.

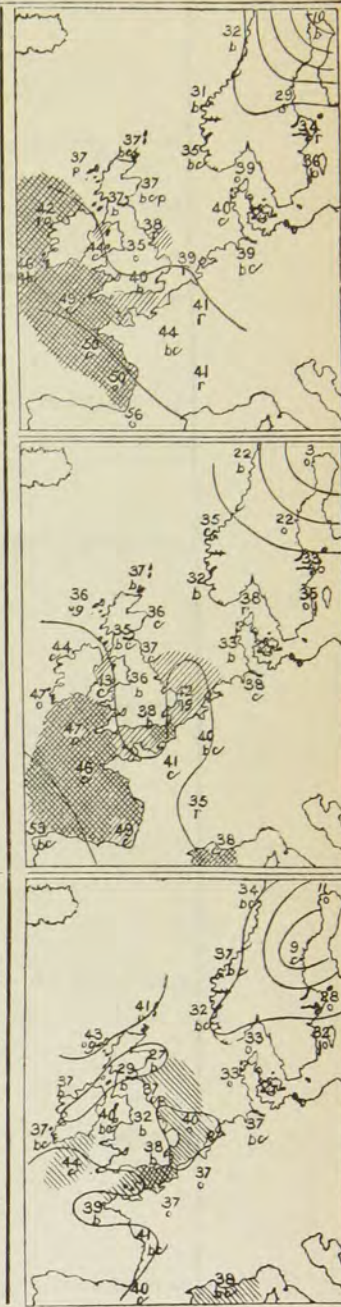
Wind fresh from North-East in the south, moderate from South-East and South in Ireland, and from South-South-West in Scotland. Nearly calm over northern parts of England.

Sea rough in east and south, smooth or slight in west and north.

Barometer inclined to fall slightly; anticyclonic crest lying across the British Isles, North Sea, and Scandinavia. No change later.

Synoptic Charts.

TEMPERATURE AND WEATHER
at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 201 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	43	31	41.7	33.6	37.8	-2.4	5	Inches. 0.87	Inches. -0.04	•	•
	Stornoway	43	28	40.9	32.7	37.0	-2.5	5	0.71	-0.56	3	7
	Wick	39	29	37.7	30.7	34.4	-4.8	3	0.29	-0.41	•	•
1. SCOTLAND, E.	Nairn	39	26	38.4	30.4	34.6	-3.6	4	0.49	+0.04	•	•
	Aberdeen	40	26	38.0	29.9	34.1	-3.9	3	0.19	-0.56	7	15
	Leith	44	26	40.0	32.0	36.2	-2.0	3	0.87	+0.44	•	•
2. ENGLAND, N.E.	Alnwick Castle	43	31	39.9	33.9	37.0	-1.2	3	0.34	?	•	•
	Shields	46	32	42.0	34.1	38.2	-1.0	5	0.17	-0.48	•	•
	Scarborough	46	33	42.8	35.3	39.2	+0.9	5	1.02	+0.32	•	•
	York	45	32	42.3	33.6	38.1	-0.5	5	0.61	+0.06	1	2
	Spurn Head	43	30	41.9	34.9	38.6	+0.3	6	0.98	?	•	•
3. ENGLAND, E.	Hillington	46	29	42.2	34.1	38.3	0.0	6	1.41	+0.82	1	2
	Yarmouth	45	30	42.4	33.7	38.2	-1.0	5	0.95	+0.29	•	•
	Geddeston	48	31	43.4	35.5	39.6	+0.4	5	0.81	+0.30	9	17
	Cambridge	59	28	42.6	32.1	37.6	-1.1	6	0.38	-0.07	10	19
	Rothamsted	48	31	43.1	33.5	38.5	+0.3	5	0.91	+0.31	•	•
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	46	32	41.7	33.4	37.7	-1.5	5	0.44	-0.14	•	•
	Loughborough	49	33	42.4	35.0	38.9	+0.7	5	0.67	+0.13	•	•
	Leicester	49	31	42.9	33.3	38.3	+0.4	5	0.63	+0.15	4	8
	Cheadle	45	29	40.2	30.9	35.7	-2.3	5	1.12	?	•	•
	Churchstoke	50	30	42.2	32.8	37.7	-1.0	4	1.32	?	11	22
	Hereford	52	30	43.4	33.7	38.7	-0.2	4	0.62	+0.02	•	•
	Cirencester	45	28	41.7	32.0	37.0	-1.9	5	0.77	+0.06	8	15
5. ENGLAND, S.	Oxford	50	31	43.4	34.4	39.1	-0.1	4	0.58	+0.09	15	28
	London†	50	31	44.4	35.1	39.9	+0.6	4	0.53	+0.02	5	9
	Marlborough	49	30	42.9	32.6	38.0	-0.6	5	1.06	+0.41	15	28
	Strathfield Turgiss	50	30	44.5	33.8	39.3	+0.1	5	0.60	+0.08	•	•
	Dungeness	50	32	46.7	35.1	41.1	-0.5	6	0.66	-0.04	•	•
	Hastings (St. Leonard's)	50	31	46.5	36.2	41.6	+1.2	6	0.73	+0.03	15	28
	Southampton	51	31	46.4	34.6	40.7	+1.2	5	0.74	-0.03	17	31
6. SCOTLAND, W.	Hurst Castle	50	34	47.0	36.1	41.8	+0.1	5	0.68	0.00	•	•
	Laudale (Loch Sunart)‡	45	29	41.9	33.1	37.7	-2.5	5	1.93	?	•	•
	Glasgow	43	25	39.4	31.6	35.7	-3.2	4	1.22	+0.20	1	2
	Ardrossan	46	27	43.4	33.7	38.7	-0.4	4	1.13	+0.18	•	•
	Silloth (Cumberland)	49	26	41.2	33.2	37.4	-1.8	4	0.86	+0.13	12	24
7. ENGLAND, N.W.	Douglas (Isle of Man)	48	31	43.5	35.6	39.7	-1.6	4	1.08	-0.04	16	32
	Newton Reigny (Penrith)	44	23	39.0	31.9	35.6	-2.1	4	1.06	?	9	18
	Barrow-in-Furness	47	34	42.6	36.6	39.7	-1.5	4	1.13	?	•	•
	Stonyhurst	46	32	44.2	34.6	39.7	+0.9	4	1.26	+0.16	12	24
	Blackpool	48	32	42.8	35.4	39.3	-2.0	4	0.84	+0.09	6	12
	Manchester	47	33	41.3	33.9	37.8	-1.7	4	1.14	+0.39	•	•
	Liverpool Obs ^r (Bidston)	50	34	43.4	36.7	40.2	-0.6	4	0.44	-0.18	•	•
8. ENGLAND, S.W.	Llandudno	50	33	45.4	37.7	41.7	-0.5	4	0.50	-0.30	11	12
	Holyhead	50	36	46.3	39.7	43.1	-0.8	4	0.59	-0.31	•	•
	Llandovery	51	27	44.6	31.3	38.2	-2.3	5	2.68	?	•	•
	Pembroke	52	35	47.4	39.9	43.8	+0.6	5	0.76	-0.19	9	17
	Arlington (N. Devon)	50	30	44.0	34.4	39.4	-1.3	4	1.80	?	•	•
	Cullompton	52	29	44.9	34.3	39.8	-1.4	5	1.22	?	5	9
	Falmouth	52	36	48.2	39.8	44.2	-0.1	5	1.08	-0.15	10	18
9. IRELAND, N.	Plymouth	52	33	47.4	36.9	42.3	-0.7	5	0.87	-0.02	13	24
	Prawle Point	51	33	46.4	36.1	41.5	-1.4	5	1.69	?	•	•
	Londonderry	45	27	42.0	32.4	37.4	-3.3	6	1.78	+0.89	•	•
	Mullaghmore	48	33	46.4	37.0	41.9	0.0	5	1.47	?	•	•
	Belmullet	48	34	46.1	37.0	41.7	-2.3	5	1.45	?	•	•
	Markree Castle	43	24	39.2	31.3	35.4	-5.8	6	1.57	+0.77	5	10
	Brookeborough	44	23	40.5	29.5	35.2	-4.9	5	1.47	?	•	•
10. IRELAND, S.	Armagh	43	24	39.4	31.1	35.4	-4.9	6	1.06	+0.39	4	8
	Donaghadee	45	28	42.1	33.0	37.7	-3.6	4	0.92	+0.27	•	•
	Dublin	49	27	43.0	34.0	38.7	-2.6	5	0.41	-0.16	11	22
	Persentown	47	25	43.4	33.0	38.4	-1.8	5	0.90	+0.21	8	16
	Kilkenny	49	24	44.0	30.5	37.5	-2.4	4	1.17	?	•	•
	Waterford	49	26	45.7	32.7	39.4	-2.8	5	0.58	-0.14	•	•
	Roche's Point	52	33	49.1	38.1	43.8	+0.6	5	0.97	-0.15	•	•
CHANNEL ISLANDS	Valencia	52	36	49.4	39.7	41.7	-0.9	5	0.94	-0.46	5	9
	Killarney	53	27	47.6	34.3	41.2	-2.1	5	1.52	?	•	•
	Foynes	56	27	48.6	29.6	39.5	-2.4	4	0.57	?	•	•
CHANNEL ISLANDS	Seilly (St. Mary's)	53	39	49.4	42.6	46.1	-1.1	4	0.60	-0.34	•	•
	Jersey (Noirmont)	51	36	47.0	41.4	44.3	+0.6	6	0.99	+0.14	7	13

Stations marked *fi* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.
‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1866-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

NOTE.—The maximum thermometer at Markree is out of order; values consequently unreliable.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 116, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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VOL. I. No. 52.]
New Series.

WEEK ENDING MONDAY, 29TH DECEMBER, 1884.

[Price 4d.
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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the last page of this number. The *Daily Mean Temperature* is obtained from the maxima and minima by a suitable correction determined for each month. The *Mean Temperature for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years observations (1861–80), calculated at the Meteorological Office. *Accumulated Temperature* indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day degrees—a “Day degree” signifying 1° continued for 24 hours, or any other number of degrees for an inversely proportional number of hours. The *Mean Rainfall for the Week* is the mean rainfall obtained from 15 years observation (1866–80). A *Rainy Day* is one on which at least one hundredth of an inch of rain has fallen. The foregoing remarks apply also to the table on the last page. A more detailed explanation will be found at the back of the title page issued with No. 1 of this series.

DISTRICTS (See p. 208.)		Temperature of the Air.									
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.			
		Highest.	Lowest.	Averages of				Above 42°		Below 42°	
				Daily Maxima.	Daily Minima.	Daily Mean.		For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	47	30	43·1	35·4	39·4	0 (average.)	Day deg. 3	Day deg. 1983	Day deg. 25	Day deg. 615
	1. SCOTLAND, EAST	45	22	40·1	29·4	34·9	3 below.	0	2607	50	637
	2. ENGLAND, N.E.	43	25	39·4	32·3	35·9	3 below.	0	2825	43	453
	3. ENGLAND, EAST	41	30	37·7	33·2	35·5	3 below.	0	3280	46	535
	4. MIDLAND COUNTIES	44	25	36·6	31·7	34·3	4 below.	0	3113	54	561
	5. ENGLAND, SOUTH	45	28	38·6	33·7	36·3	4 below.	0	3495	40	350
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	45	22	39·7	31·0	35·5	4 below.	0	2755	46	418
	7. ENGLAND, N.W.	45	19	37·7	29·7	33·9	7 below.	0	2986	57	417
	8. ENGLAND, S.W.	43	26	38·8	32·3	35·7	7 below.	0	3357	44	233
	9. IRELAND, NORTH	48	21	40·4	32·6	36·6	5 below.	0	2853	38	412
	10. IRELAND, SOUTH	49	20	40·5	31·0	35·9	6 below.	0	3226	43	298
	— CHANNEL ISLANDS	47	33	42·3	36·6	39·5	6 below.	1	3797	19	25
DISTRICTS. (See p. 208.)		Rainfall.					Bright Sunshine.				
		For the Week.			Since Jan. 1.		Hours recorded.		Percentage of the possible Duration.		
		Number of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	Number of Rainy Days.	Total Fall.	For the Week.	Since Jan. 1.	For the Week.	Since Jan. 1.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of In. 3	10ths of In. 6 less.	237	Ins. 40·9	3	1146	7	24	
	1. SCOTLAND, EAST	2	1	4 less.	191	23·3	5	1280	11	28	
	2. ENGLAND, N.E.	2	1	5 less.	162	20·4	0	1228	0	25	
	3. ENGLAND, EAST	2	1	5 less.	163	22·1	2	1496	4	31	
	4. MIDLAND COUNTIES	1	less than 1	6 less.	165	23·0	1	1286	2	27	
	5. ENGLAND, SOUTH	1	1	6 less.	164	23·8	2	1367	4	29	
Principal Grazing, &c. Districts.	6. SCOTLAND, WEST	1	less than 1	10 less.	214	50·8	4	1205	7	25	
	7. ENGLAND, N.W.	0	—	8 less.	188	32·7	4	1240	8	25	
	8. ENGLAND, S.W.	0	less than 1	10 less.	202	35·8	7	1461	14	30	
	9. IRELAND, NORTH	3	1	6 less.	205	41·8	2	1061	4	22	
	10. IRELAND, SOUTH	1	1	9 less.	207	37·0	4	1273	8	27	
	— CHANNEL ISLANDS	3	1	8 less.	215	30·3	4	1853	7	41	

General Remarks.

Weather has been cold and dull in all parts of the Kingdom, with a good deal of mist or haze. Very little rain or snow, however, has fallen, and at many of the English stations there has been none at all.

Temperature has been about equal to the mean in “Scotland, N.”, but below in all other districts; over the “Wheat-producing” districts the deficit ranged from 3° to 4°, while in most of the “Grazing” districts it varied from 5° to 7°. The maxima, which were recorded on different dates, varied from 49° in “Ireland, S.” to 41° in “England, E.” Over central Ireland and the central and north-western parts of England the maxima on some days were only a few degrees above the freezing point. The minima, which were registered on the 24th in Ireland and on various dates over Great Britain, were as low as 19° in “England, N.W.”, 20° or 21° in Ireland, 22° in the east and west of Scotland, and between 25° and 30° in most other districts, while in the “Channel Islands” the thermometer did not fall below 33°. At Killarney, the minimum (20°) was lower than any reading recorded since 14th December 1882.

Rainfall has been considerably less than the mean in all districts.

Bright sunshine has again been very deficient, the percentages of the possible number of hours varying from 14 in “England, S.W.” and 11 in “Scotland, E.”, to between 4 and 8 in most other places, while in “England, N.E.” the weather was quite sunless.

Depressions observed.—Beyond some large low pressure systems far to the northward of our Islands, and a smaller disturbance which was shown over the north-east of Spain on the 28th, no depressions of importance have appeared in our neighbourhood. The high pressure band noticed at the close of last week has been established over the central parts of the United Kingdom and the North Sea, causing Easterly or North-Easterly winds in the south, Southerly to Westerly breezes in the north, and light variable airs over the intervening districts.

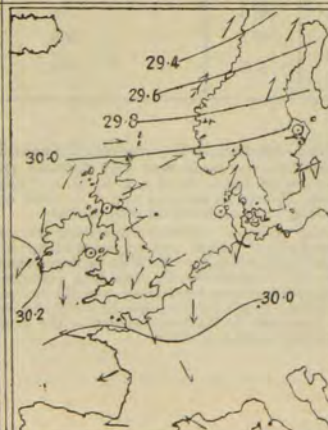
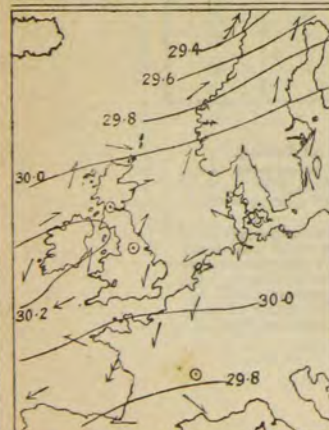
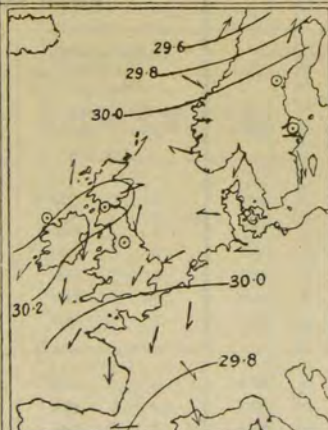
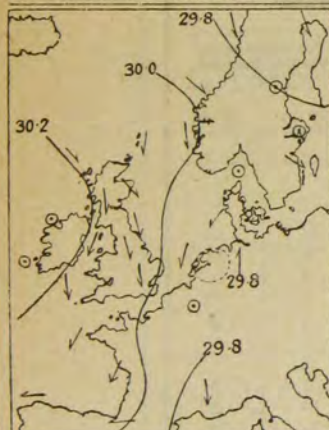
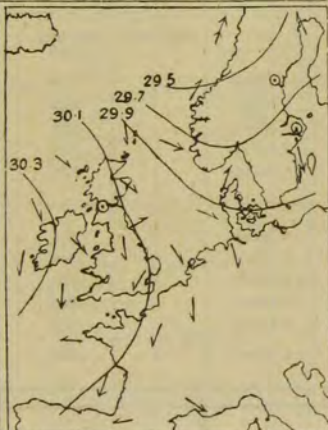
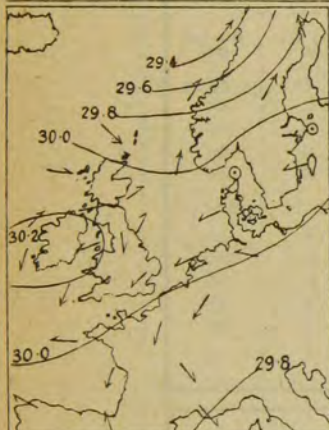
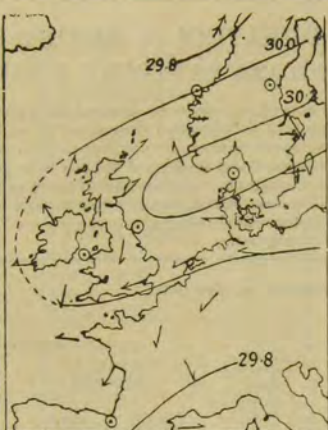
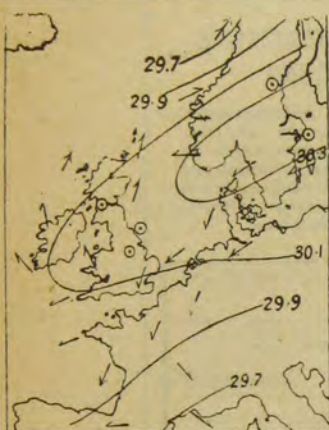
II.—SUMMARY OF WEATHER OVER WESTERN EUROPE.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m. on the dates given.

Tuesday, December 23.

Weather fine in the west and north, but cloudy or overcast elsewhere, with fog in the north of England and south of Scotland. A little rain in the south-west of England later.

Temperature risen a little in our Islands; readings ranging from 44° at Valencia and Roche's Point to 30° at Nairn and Leith. Maxima below 40° in many places.

Wind South-Easterly in Ireland, and South-Westerly in Scotland and the west of Norway, but North-Easterly or Easterly elsewhere; light or moderate in force generally.

Sea rough at Yarmouth, and rather rough at Stornoway; moderate to smooth elsewhere.

Barometer falling at all but the southern French stations. Long band of high pressure extending from Scandinavia to the north of England, with low readings in the north of Norway, and relatively low readings in the south of France. Rise taking place in Ireland later.

Wednesday, December 24.

Weather fine in many parts of Scotland and Ireland, but overcast elsewhere, with rain at Sumburgh Head, Dungeness, and Cape Gris Nez. Snow or sleet showers falling in Scotland later.

Temperature fallen several degrees in Ireland, but little changed elsewhere; readings ranging from 43° at Scilly to 27° at Parsonstown. Maxima below 40° in several parts of England.

Wind moderate Westerly in Scotland, and strong South-Westerly in Scandinavia, but Easterly or North-Easterly elsewhere. Subsequently shifting to North-West on all our more northern coasts.

Sea rather rough in the south-west and south-east.

Barometer falling briskly in Scandinavia, and slightly on our north and east coasts, but rising elsewhere. Anticyclone lying over Ireland, Wales, and the north-west of England, and large depression approaching the west of Norway. Rise taking place in Scotland later.

Thursday, December 25.

Weather generally fair in the west and north, but showers of rain or sleet falling in the south and south-east. Improvement subsequently taking place in latter districts.

Temperature risen several degrees in west and south-west, but fallen elsewhere; readings ranging from 46° at Scilly to 33° at Sumburgh Head and Wick.

Wind chiefly Northerly; light or moderate in force in most places, but fresh on exposed parts of our coasts. Subsequently backing to South-West in Scotland.

Sea rather rough at Scilly and Yarmouth; slight or smooth elsewhere.

Barometer rising at all but our southern and the French stations. Anticyclone lying off the west of Ireland, with large area of low pressure over Scandinavia and small shallow depression over Holland. New fall of barometer taking place later on our western and northern coasts.

Friday, December 26.

Weather generally fair, but with fog or haze in many places. Rain falling later on our extreme north-west coasts.

Temperature risen several degrees in Scandinavia and the north of Scotland, but fallen elsewhere; readings ranging from 45° at Sumburgh Head and Stornoway to 24° at Parsonstown.

Wind South-Westerly in extreme north, but North-Easterly in south and variable at the more central stations; strong in force over Bay of Biscay.

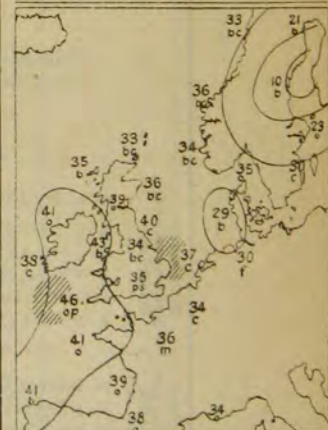
Sea rather rough at Christiansund and Yarmouth; moderate to smooth elsewhere.

Barometer falling in Scandinavia and the north of Scotland, but rising over our Islands and France. Band of high pressure lying over our Islands, the North Sea, and south of Scandinavia, with lowest readings over the north of Norway, and relatively low readings in the south of France.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



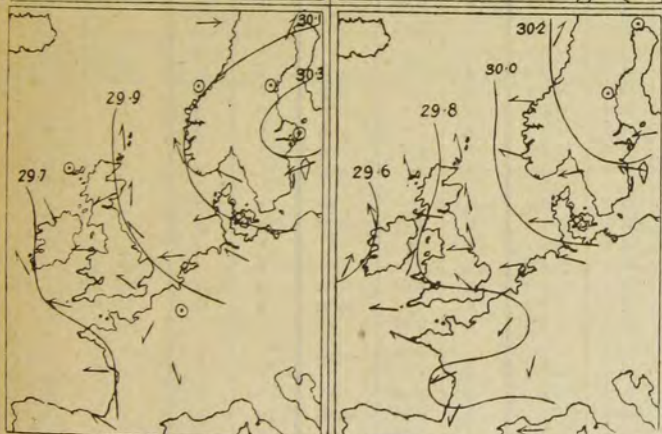
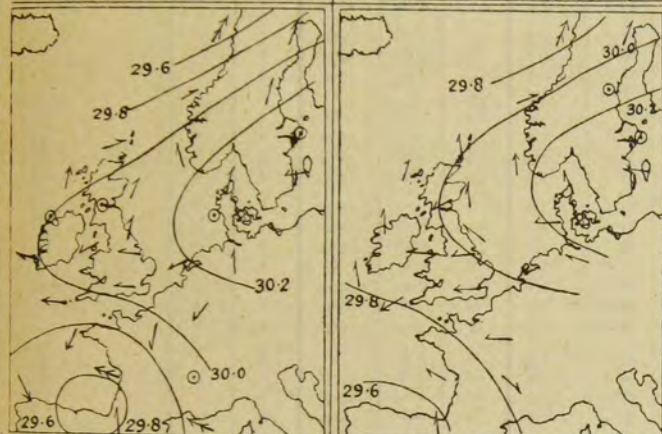
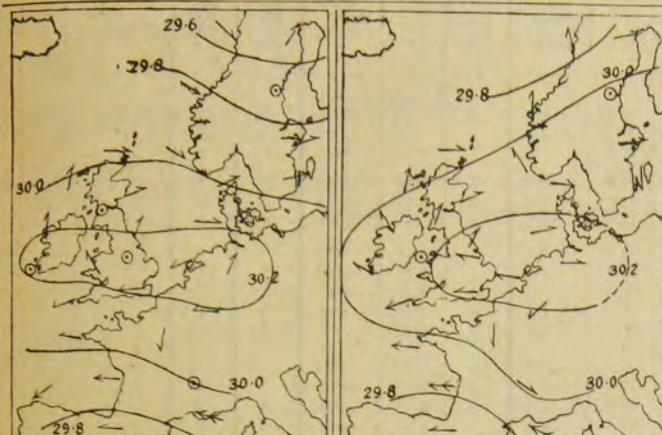
SUMMARY OF WEATHER OVER WESTERN EUROPE—continued.

Synoptic Charts.

PRESSURE AND WIND.

8 a.m.

6 p.m.



Weather

During the 24 hours succeeding

8 a.m., on the dates given.

Saturday, December 27.

Weather fine in Sweden and Scotland, but cloudy or overcast elsewhere, with fog or mist in many parts of our Islands.

Temperature risen at the Irish and several of the Continental stations, but fallen elsewhere; readings ranging from 44° at Stornoway to 27° at York and 28° at Liverpool. Maxima below 40° in many places.

Wind Westerly or South-Westerly in Scandinavia and Scotland, but Easterly or North-Easterly at our southern and the French stations. South-Easterly breezes setting in over Ireland later.

Sea moderate to smooth.

Barometer falling a little on our extreme northern and north-western coasts, and also in Sweden and the south of France, but rising elsewhere. Long band of high pressure lying over Ireland, England, the southern part of the North Sea and North Germany, with low readings in the north of Scandinavia and relatively low readings in the south of France.

Sunday, December 28.

Weather fair in Ireland as well as on the east coasts of Great Britain, but cloudy or overcast elsewhere, with rain at Stornoway.

Temperature changed irregularly; readings ranging from 45° at Sumburgh Head and 44° at Scilly to 32° at Barrow-in-Furness. Maxima below 40° at nearly all stations.

Wind South-Westerly in Scotland and Scandinavia and South-Easterly in Ireland, but Easterly or North-Easterly elsewhere; strong to a gale in the west of France.

Sea rather rough at Stornoway and Scilly, slight or smooth elsewhere.

Barometer falling in our Islands and France, but rising on the eastern shores of the North Sea. Large high pressure area lying over the Baltic and south of Sweden, with depression off the north-west of Norway, and another over the north of Spain.

Monday, December 29.

Weather cloudy or overcast in most places, with mist and gloom locally. Rain falling later at one or two of the Irish and Scotch stations.

Temperature risen slightly in most parts of the United Kingdom; readings ranging from 44° at Valencia and Scilly to 27° at Nairn. Maxima again below 40° in many places.

Wind South-Easterly or Southerly in the west and north of our Islands, but Easterly or North-Easterly elsewhere; moderate or fresh in force generally.

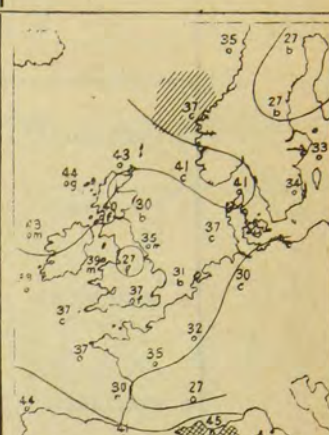
Sea rather rough at Scilly and Yarmouth, moderate to smooth elsewhere.

Barometer falling generally. Anticyclone lying over the Baltic, with large area of low readings to the south-westward of our Islands. No important change later.

Synoptic Charts.

TEMPERATURE AND WEATHER

at 8 a.m.



Explanation of Charts.—In the two left-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force being indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the right-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

III.—DATA from which the SUMMARY on page 205 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.	
		Highest observed.	Lowest observed.	Averages for the week.			Difference of Daily Average from Mean for the Week.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Percentage of possible duration.
				Of Highest each day.	Of Lowest each day.	For whole of the day.						
0. SCOTLAND, N.	Sumburgh Head	46	31	44.1	36.6	40.5	+ 0.4	5	Inches. 0.48	Inches. -0.42	•	•
	Stornoway	47	33	44.1	36.7	40.6	+ 1.2	6	0.24	-0.97	3	7
	Wick	42	30	41.0	33.0	37.2	- 2.0	1	0.12	-0.49	•	•
1. SCOTLAND, E.	Nairn	45	24	34.0	30.0	33.7	- 2.3	1	0.02	-0.44	•	•
	Aberdeen	42	25	39.1	29.0	34.3	- 3.3	4	0.26	-0.44	5	11
	Leith	44	22	40.1	29.1	34.8	- 3.2	0	—	-0.45	•	•
2. ENGLAND, N.E.	Alnwick Castle	40	26	38.7	31.0	35.0	- 3.2	2	0.09	?	•	•
	Shields	42	29	39.7	30.6	35.3	- 3.8	2	0.12	-0.48	•	•
	Scarborough	43	29	40.2	34.5	37.5	- 0.6	3	0.07	-0.35	•	•
	York	43	25	38.4	29.3	34.0	- 4.2	2	0.03	-0.49	0	0
	Spurn Head	42	35	39.0	36.1	37.9	- 0.5	3	0.15	?	•	•
3. ENGLAND, E.	Hillington	41	30	37.8	32.2	35.2	- 2.6	2	0.16	-0.37	2	4
	Yarmouth	40	34	37.9	34.6	36.3	- 2.7	2	0.09	-0.51	•	•
	Geldeston	41	33	38.3	34.2	36.3	- 2.7	2	0.13	-0.45	1	2
	Cambridge	40	31	37.6	32.4	35.1	- 3.1	1	0.10	-0.42	3	6
	Rothamsted	39	32	36.8	32.4	34.5	- 3.6	1	0.10	-0.51	•	•
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	40	25	37.3	31.1	34.3	- 4.9	1	0.01	-0.52	•	•
	Loughborough	41	29	37.3	32.9	35.1	- 2.9	1	0.01	-0.52	•	•
	Leicester	40	29	37.3	32.8	35.2	- 2.4	2	0.05	-0.46	0	0
	Chendale	38	26	35.3	30.4	33.0	- 4.8	0	—	?	•	•
	Churchstoke	37	28	35.0	29.5	32.4	- 5.8	0	—	?	1	2
	Hereford	39	29	36.8	31.9	34.5	- 4.2	0	—	-0.62	•	•
	Cirencester	44	30	37.0	31.9	34.6	- 4.1	2	0.02	-0.73	0	0
	Oxford	40	29	36.9	33.0	35.1	- 4.1	1	0.02	-0.49	2	4
5. ENGLAND, S.	London†	40	33	38.1	34.6	36.4	- 2.8	0	—	-0.52	1	2
	Marlborough	38	28	35.6	30.9	33.4	- 4.8	1	0.01	-0.69	1	2
	Strathfield Turgiss	39	32	37.3	33.2	35.3	- 3.9	1	0.02	-0.54	•	•
	Dungeness	43	34	39.6	35.6	37.7	- 3.5	3	0.16	?	•	•
	Hastings (St. Leonard's)	40	32	38.1	34.2	36.3	- 4.5	2	0.15	-0.55	5	9
	Southampton	40	32	38.4	33.3	36.0	- 3.3	0	—	-0.80	1	2
	Hurst Castle	45	30	43.3	33.9	38.8	- 2.5	0	—	-0.70	•	•
	Laudale (Loch Sunart)‡	45	30	42.2	35.5	39.0	- 1.1	3	0.07	?	•	•
6. SCOTLAND, W.	Glasgow	41	26	39.0	29.7	34.5	- 4.2	1	0.02	-1.03	0	0
	Ardrossan	45	27	41.6	30.7	36.3	- 2.9	1	0.02	-0.98	•	•
	Silloth (Cumberland)	39	22	36.0	26.4	31.4	- 7.8	0	—	-0.77	6	12
	Douglas (Isle of Man)	43	26	39.6	32.5	36.2	- 4.7	1	0.02	-1.16	5	10
	Newton Reigny (Penrith)	35	19	33.9	25.2	29.7	- 7.8	1	0.01	?	4	8
7. ENGLAND, N.W.	Barrow-in-Furness	40	29	37.3	30.6	34.1	- 6.6	0	—	?	•	•
	Stonyhurst	45	27	40.2	28.8	34.7	- 4.0	0	—	-1.06	5	10
	Blackpool	39	26	36.3	26.9	31.8	- 9.1	0	—	-0.72	3	6
	Manchester	40	25	36.6	29.1	33.0	- 6.3	0	—	-0.71	•	•
	Liverpool Obs ^r (Bidston)	41	28	36.7	31.4	34.2	- 6.3	0	—	-0.60	•	•
	Llandudno	43	27	39.6	31.8	35.9	- 6.3	1	0.01	-0.74	?	?
	Holyhead	45	30	41.0	33.4	37.4	- 6.0	0	—	-0.89	•	•
8. ENGLAND, S.W.	Llandovery	41	26	37.6	28.9	33.4	- 6.9	0	—	?	•	•
	Pembroke	43	32	39.1	33.1	36.2	- 7.0	1	0.14	-0.77	13	25
	Arlington (N. Devon)	40	26	37.1	30.3	33.8	- 6.7	0	—	?	•	•
	Cullompton	42	29	38.1	32.3	35.4	- 5.8	0	—	?	1	2
	Falmouth	43	32	40.3	35.1	37.8	- 6.4	1	0.09	-1.21	6	11
	Plymouth	43	32	40.2	33.4	36.9	- 6.0	0	—	-0.92	9	16
	Prawle Point	43	30	39.4	33.1	36.3	- 6.4	1	0.01	?	•	•
9. IRELAND, N.	Londonderry	44	27	41.3	33.2	37.4	- 3.4	3	0.08	-0.82	•	•
	Mullaghmore	44	31	41.9	35.9	39.0	- 3.4	1	0.02	?	•	•
	Belmullet	48	30	43.0	35.3	39.3	- 4.9	5	0.45	?	•	•
	Markree Castle	41	21	38.1	29.1	33.8	- 7.5	3	0.10	-0.68	2	4
	Brookeborough	40	21	38.5	29.7	34.3	- 5.8	1	0.10	?	•	•
	Armagh	40	28	38.1	31.8	35.1	- 5.1	5	0.11	-0.59	2	4
	Donaghadee	44	29	41.9	32.9	37.6	- 3.6	2	0.03	-0.63	•	•
10. IRELAND, S.	Dublin	41	30	39.4	33.3	36.5	- 4.8	1	0.01	-0.54	2	4
	Parsonstown	41	22	37.6	26.3	32.2	- 7.9	0	—	-0.70	0	0
	Kilkenny	42	25	37.9	28.5	33.4	- 6.5	0	—	?	•	•
	Waterford	42	26	39.9	30.9	35.6	- 6.4	1	0.01	-1.05	•	•
	Roche's Point	46	31	44.4	33.7	39.3	- 3.9	1	0.22	-0.95	•	•
	Valencia	49	32	45.0	34.0	39.7	- 5.7	1	0.16	-1.29	11	21
	Killarney	47	29	39.4	30.0	34.9	- 8.3	1	0.25	?	•	•
CHANNEL ISLANDS	Foynes	•	•	•	•	•	•	•	•	•	•	•
	Silly (St. Mary's)	47	35	44.9	37.4	41.3	- 5.5	2	0.06	-0.88	•	•
	Jersey (Noirmont)	42	33	39.6	35.7	37.7	- 5.5	4	0.16	-0.68	4	7

Stations marked *fr* are in connection with the Royal Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Meteorological Office, Victoria Street.

‡ The annual rainfall at Laudale being much greater than at the other stations in "Scotland, W.", and no average for the years 1869-80 being obtainable for this station, the weekly amounts are not used in calculating the "Difference from the mean for the Week" in that district.

NOTE.—The maximum thermometer at Markree was out of order till the 25th; values consequently unreliable.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1884.

VOL. I. APPENDIX I.
New Series.

FIRST QUARTER—JANUARY TO MARCH.

[Price 4d.]

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FIRST QUARTER OF THE NINETEEN YEARS, 1866 TO 1884.

YEARS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.						
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE CRAZING DISTRICTS.	
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.			Days.	Inches.	Days.	Inches.	Days.	Inches.
1866	—	14.8	—	11.3	—	5.8	—	7.4	—	7.1	—	11.4	—	8.6	—	15.4	—	13.4	—	16.9	—	13.7	—	12.0	—	14.3	—	
1867	—	10.7	—	9.5	—	5.4	—	6.7	—	8.1	—	8.8	—	7.5	—	9.9	—	11.1	—	15.2	—	11.8	—	10.7	—	11.7	—	
1868	—	19.1	—	11.7	—	4.9	—	—	—	6.7	—	7.5	—	7.3	—	17.6	—	13.3	—	11.9	—	13.0	—	10.5	—	13.3	—	
1869	—	11.8	—	8.9	—	6.2	—	—	—	7.7	—	9.0	—	7.6	—	11.4	—	12.2	—	14.0	—	12.1	—	12.1	—	12.4	—	
1870	—	6.4	—	6.7	—	4.8	—	—	—	5.1	—	6.0	—	5.3	—	8.8	—	9.0	—	10.7	—	8.6	—	9.7	—	9.4	—	
1871	—	9.4	—	6.9	—	3.8	—	—	—	4.8	—	6.1	—	5.1	—	11.7	—	8.7	—	10.0	—	10.7	—	9.4	—	10.3	—	
1872	—	—	—	11.3	—	7.8	—	—	—	9.8	—	10.1	—	9.0	—	15.2	—	14.0	—	19.5	—	12.7	—	13.1	—	14.7	—	
1873	—	7.9	—	7.2	—	5.3	—	—	—	7.1	—	8.4	—	6.7	—	10.0	—	9.6	—	14.1	—	8.8	—	11.9	—	10.9	—	
1874	—	11.5	—	6.5	—	3.5	—	—	—	5.7	—	4.4	—	4.6	—	8.6	—	11.0	—	12.5	—	8.4	—	7.7	—	9.6	—	
1875	—	8.4	—	7.0	—	3.9	—	—	—	5.8	—	6.7	—	5.4	—	9.8	—	8.7	—	12.6	—	7.1	—	10.2	—	9.7	—	
Means for 19 years, 1866-75	—	10.8	—	8.7	—	5.1	—	5.1	—	6.8	—	7.8	—	6.7	—	11.8	—	11.1	—	13.7	—	10.7	—	10.7	—	11.6	—	
1876	—	13.4	—	9.5	—	6.3	—	—	—	8.2	—	7.5	—	7.6	—	12.1	—	12.0	—	10.9	—	10.0	—	10.0	—	11.0	—	
1877	—	11.9	—	9.8	—	7.1	—	—	—	8.3	—	10.7	—	8.7	—	14.2	—	15.4	—	14.2	—	13.4	—	11.4	—	13.7	—	
1878	—	6.7	—	4.3	—	4.5	—	—	—	3.9	—	4.2	—	4.4	—	5.3	—	5.1	—	7.2	—	6.1	—	5.6	—	6.1	—	
1879	—	5.4	—	5.5	—	5.1	—	—	—	6.1	—	4.9	—	5.1	—	8.5	—	6.7	—	5.4	—	6.6	—	6.7	—	5.6	—	
1880	—	4.9	—	7.4	—	3.3	—	—	—	3.4	—	3.5	—	4.3	—	10.3	—	6.2	—	4.7	—	6.9	—	5.0	—	9.8	—	
1881	—	6.0	—	9.2	—	6.3	—	—	—	4.7	—	6.4	—	4.5	—	9.5	—	4.2	—	8.6	—	4.5	—	9.7	—	4.7	—	
1882	—	7.2	—	10.3	—	3.1	—	—	—	4.3	—	5.6	—	3.6	—	11.9	—	4.9	—	7.8	—	4.9	—	7.1	—	6.3	—	
1883	—	6.5	—	8.9	—	5.8	—	—	—	6.4	—	4.9	—	6.7	—	12.2	—	8.5	—	10.4	—	6.3	—	10.2	—	5.7	—	
1884	—	6.6	—	12.1	—	6.4	—	—	—	3.9	—	4.7	—	6.0	—	17.1	—	11.5	—	12.2	—	6.2	—	12.2	—	7.2	—	
Means for 19 years, 1866-84	—	10.3	—	6.8	—	5.2	—	5.2	—	6.6	—	7.3	—	6.2	—	11.9	—	9.8	—	9.9	—	9.4	—	10.9	—	10.1	—	
1866	—	38.3	—	38.8	—	39.1	—	40.9	—	40.4	—	41.0	—	40.2	—	40.0	—	40.6	—	43.4	—	39.9	—	40.3	—	40.8	—	
1867	—	36.9	—	37.2	—	36.8	—	38.6	—	38.2	—	39.2	—	38.0	—	37.7	—	38.6	—	41.4	—	38.1	—	39.9	—	39.1	—	
1868	—	40.7	—	41.7	—	41.1	—	41.4	—	41.9	—	42.0	—	41.6	—	42.3	—	42.4	—	44.4	—	42.1	—	44.3	—	42.3	—	
1869	—	40.0	—	40.3	—	40.6	—	41.1	—	41.2	—	42.0	—	41.0	—	42.0	—	42.1	—	45.1	—	42.9	—	44.6	—	43.3	—	
1870	—	37.9	—	37.4	—	37.1	—	37.4	—	38.0	—	38.2	—	37.6	—	38.6	—	38.7	—	41.3	—	39.8	—	41.6	—	40.0	—	
1871	—	40.0	—	39.7	—	38.8	—	39.2	—	40.1	—	40.3	—	37.6	—	40.0	—	40.0	—	43.3	—	41.6	—	43.4	—	41.7	—	
1872	—	40.9	—	40.9	—	41.3	—	42.3	—	42.9	—	43.7	—	42.3	—	42.9	—	43.3	—	46.1	—	42.4	—	44.5	—	43.8	—	
1873	—	39.0	—	38.4	—	38.5	—	39.1	—	39.9	—	39.0	—	39.0	—	39.2	—	39.7	—	42.6	—	39.8	—	41.0	—	40.5	—	
1874	—	41.7	—	41.8	—	41.3	—	40.4	—	41.0	—	42.0	—	41.3	—	42.3	—	41.8	—	45.0	—	42.8	—	45.2	—	43.4	—	
1875	—	39.5	—	39.0	—	38.8	—	38.6	—	39.2	—	40.2	—	39.2	—	39.8	—	40.2	—	42.9	—	41.6	—	44.6	—	41.8	—	
Means for 19 years, 1866-75	—	39.5	—	39.5	—	39.3	—	39.9	—	40.2	—	40.9	—	39.8	—	40.5	—	40.7	—	43.6	—	41.0	—	42.9	—	41.7	—	
1876	—	38.7	—	38.3	—	39.2	—	39.0	—	38.9	—	40.0	—	39.1	—	39.5	—	39.8	—	42.4	—	40.1	—	43.3	—	41.0	—	
1877	—	38.4	—	38.8	—	40.4	—	41.7	—	41.8	—	43.1	—	41.2	—	40.5	—	41.8	—	44.9	—	41.4	—	45.2	—	42.8	—	
1878	—	39.4	—	40.1	—	40.8	—	40.6	—	41.8	—	41.7	—	41.0	—	41.9	—	42.2	—	44.2	—	42.5	—	45.1	—	43.2	—	
1879	—	35.8	—	34.2	—	35.9	—	36.5	—	36.4	—	37.8	—	36.2	—	36.5	—	36.8	—	40.8	—	38.0	—	40.5	—	38.5	—	
1880	—	40.6	—	39.8	—	39.5	—	39.2	—	39.9	—	40.5	—	39.8	—	41.3	—	40.6	—	43.5	—	42.2	—	44.1	—	42.3	—	
1881	—	34.4	—	33.5	—	34.3	—	36.1	—	35.8	—	38.2	—	35.6	—	35.3	—	36.6	—	39.9	—	37.5	—	39.8	—	37.8	—	
1882	—	41.8	—	42.9	—	42.8	—	42.1	—	42.6	—	43.5	—	42.8	—	43.7	—	43.5	—	44.9	—	44.8	—	46.0	—	44.7	—	
1883	—	38.7	—	38.8	—	39.0	—	39.2	—	39.2	—	40.8	—	39.3	—	40.2	—	40.1	—	42.2	—	40.9	—	42.5	—	41.2	—	
1884	—	40.7	—	41.2	—	41.9	—	42.4	—	42.6	—	43.8	—	42.4	—	42.4	—	42.4	—	44.5	—	42.7	—	44.8	—	46.5	—	
Means for 19 years, 1866-84	—	39.1	—	39.1	—	39.3	—	39.8	—	40.1	—	41.0	—	39.8	—	40.3	—	40.6	—	43.3	—	41.1	—	43.2	—	41.7	—	

TABLE IA.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE NINETEEN YEARS, 1866 TO 1884.

		Wheat Districts.		Grazing, &c. Districts.		Generally.	
Rainfall	{ Driest Wettest	-	-	Ins. 8.1 in 1878 and 1880 14.7 in 1872	-	Ins. 6.2 in 1880 11.9 in 1872	-
Temperature	{ Coldest Warmest	-	-	Ins. 37.8 in 1881 43.8 in 1872	-	Ins. 36.7 in 1881 43.0 in 1872	-

TABLE II.—SHOWING THE AMOUNT OF RAINFALL IN EACH MONTH, AND THE PROGRESSIVE AMOUNTS, FROM THE COMMENCEMENT OF THE YEAR, DURING THE FIRST QUARTER OF EACH OF THE SEVEN YEARS, 1878 TO 1884.

YEARS AND MONTHS.		Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTRIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.							
		Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.				
NUMBERS OF DAYS WITH RAIN.																																	
1878	Jan.	27	27	14	14	19	19	19	19	18	18	15	15	17	17	20	20	20	20	17	17	23	23	19	19	20	20	18	18	19	19		
	Feb.	19	46	8	22	8	27	14	33	10	28	14	29	11	28	14	34	14	34	9	26	14	37	14	33	13	33	16	34	12	31		
	Mar.	28	74	18	40	18	45	19	52	15	43	13	42	17	45	19	53	17	51	15	41	23	60	19	52	18	51	22	56	17	48		
1879	Jan.	16	16	11	11	13	13	12	12	10	10	11	11	11	11	9	9	9	9	14	14	16	16	14	14	12	12	18	18	12	12		
	Feb.	14	30	17	28	23	36	21	33	19	29	21	32	20	31	16	25	17	26	23	37	19	35	23	37	20	32	24	42	20	32		
	Mar.	24	54	18	46	19	55	21	54	19	48	17	49	19	50	22	47	17	43	17	54	25	60	18	55	20	52	21	63	20	52		
1880	Jan.	16	16	11	11	10	10	10	10	7	7	9	9	9	9	12	12	8	8	8	8	12	12	12	12	10	10	11	11	10	10		
	Feb.	19	35	16	27	15	25	18	28	19	26	20	29	18	27	22	34	18	26	20	28	19	31	21	33	20	30	21	32	19	29		
	Mar.	14	49	14	41	9	34	10	38	9	35	9	38	10	37	15	49	14	40	19	47	18	49	17	50	17	47	18	50	13	42		
1881	Jan.	17	17	12	12	12	12	16	16	10	10	11	11	12	12	10	10	9	9	13	13	12	12	10	10	11	11	17	17	12	12		
	Feb.	19	36	16	28	20	32	19	35	18	28	15	26	18	30	17	27	15	24	16	29	20	32	18	28	17	28	18	35	18	30		
	Mar.	24	60	18	46	19	51	12	47	14	42	13	39	15	45	19	46	18	42	16	45	19	51	16	44	18	46	16	51	17	47		
1882	Jan.	20	20	11	11	8	8	9	9	10	10	8	8	9	9	16	16	13	13	14	14	15	15	15	15	15	15	13	13	12	12		
	Feb.	22	42	14	25	7	15	10	19	12	22	10	18	11	20	20	36	16	29	12	26	19	34	19	34	17	32	14	27	14	26		
	Mar.	30	72	23	48	17	32	13	32	13	35	16	34	16	36	26	62	20	49	23	49	29	63	25	59	25	57	21	48	20	46		
1883	Jan.	18	18	12	12	17	17	15	15	19	19	21	21	17	17	19	19	20	20	19	19	21	21	22	22	20	20	19	19	19	19		
	Feb.	22	40	18	30	16	33	17	32	16	35	16	37	17	34	22	41	18	38	21	40	22	43	20	42	21	41	21	40	19	38		
	Mar.	25	65	22	52	20	53	19	51	14	49	12	49	17	51	15	56	13	51	15	55	20	63	15	57	16	57	23	63	17	55		
1884	Jan.	23	23	17	17	14	14	14	14	16	16	15	15	15	15	24	24	19	19	19	19	23	19	19	19	21	21	18	18	18	18		
	Feb.	22	45	16	33	16	30	16	30	19	35	20	35	17	32	23	47	21	40	22	41	22	43	22	43	22	43	21	39	20	38		
	Mar.	21	66	19	52	14	44	12	42	12	47	13	48	14	46	21	68	17	57	21	62	25	70	25	67	22	65	20	59	18	56		
MEANS FOR 7 YEARS, 1878-1884.	Jan.	20	20	13	13	13	13	14	14	13	13	3	13	13	16	16	14	14	15	15	17	17	16	16	16	16	16	16	15	15	15		
	Feb.	20	40	15	28	15	28	16	30	16	29	17	30	16	29	19	35	17	31	18	33	19	36	20	36	19	35	19	35	17	32		
	Mar.	24	64	19	47	16	44	15	45	14	43	13	43	15	44	20	55	17	48	18	51	23	59	19	55	19	54	20	55	17	49		
RAINFALL IN INCHES.																																	
1878	Jan.	3.41	3.41	1.81	1.81	2.37	2.37	1.87	1.87	1.73	1.73	1.35	1.35	1.83	1.83	5.60	5.60	3.50	3.50	2.33	2.33	4.22	4.22	3.32	3.32	3.79	3.79	2.49	2.49	2.81	2.81		
	Feb.	1.59	5.00	0.71	2.52	0.88	3.25	1.00	2.87	0.87	2.60	1.37	2.72	0.97	2.80	1.61	7.21	1.02	4.52	1.26	3.59	1.30	5.52	2.15	5.47	1.47	5.26	1.30	3.79	1.22	4.03		
	Mar.	4.33	9.33	1.75	4.27	1.50	4.84	1.66	4.53	1.30	3.90	2.36	5.08	1.73	4.53	3.81	11.02	2.64	7.16	2.48	6.07	2.77	8.39	2.30	7.77	2.80	8.06	2.27	6.06	2.27	6.30		
1879	Jan.	1.61	1.61	1.54	1.54	1.18	1.18	1.94	1.94	2.10	2.10	3.44	3.44	2.04	2.04	2.12	2.12	1.70	1.70	5.04	5.04	2.06	2.06	3.87	3.87	2.96	2.96	5.20	5.20	2.50	2.50		
	Feb.	0.99	2.60	2.38	5.92	2.88	4.06	2.90	4.84	2.86	4.96	3.67	7.11	2.94	4.98	2.69	4.81	2.96	4.66	4.77	9.81	2.12	4.18	5.20	9.07	3.55	6.51	4.79	9.99	3.25	5.75		
	Mar.	2.85	5.45	3.01	6.93	1.05	5.11	1.37	6.21	1.15	6.11	1.08	8.19	1.53	6.51	3.73	8.54	1.99	6.65	1.39	11.20	2.50	6.68	2.11	11.18	2.34	8.85	1.80	11.79	1.94	7.69		
1880	Jan.	2.02	2.02	1.16	1.16	0.56	0.56	0.54	0.54	0.87	0.87	1.03	1.03	0.83	0.83	1.92	1.92	1.03	1.03	1.37	1.37	2.14	2.14	1.84	1.84	1.78	1.78	1.19	1.19	1.31	1.31		
	Feb.	2.43	4.45	2.37	3.53	1.57	2.13	2.19	2.73	2.38	3.25	2.89	3.92	2.28	3.11	5.20	7.12	1.96	3.59	3.57	4.94	2.76	4.90	4.81	6.65	3.66	5.44	3.03	4.22	2.97	4.28		
	Mar.	2.91	7.36	1.96	5.49	1.05	3.18	0.62	3.35	1.09	4.34	0.76	4.68	1.10	4.21	3.16	10.28	2.64	6.23	1.99	6.93	2.60	7.50	3.18	9.83	2.71	8.15	1.73	5.95	1.91	6.19		
1881	Jan.	2.35	2.35	1.50	1.50	0.71	0.71	1.10	1.10	0.64	0.64	1.48	1.48	1.08	1.08	0.71	0.71	0.92	0.92	1.96	1.96	0.75	0.75	1.41	1.41	1.15	1.15	2.55	2.55	1.12	1.12		
	Feb.	3.41	5.76	3.50	5.00	3.22	3.93	2.03	4.03	3.71	4.35	2.69	4.17	3.21	4.29	4.91	5.62	4.25	5.17	4.28	6.24	3.56	4.31	4.20	5.61	4.24	5.39	3.84	6.39	3.73	4.85		
	Mar.	3.41	9.17	2.37	7.37	2.37	6.30	1.73	5.76	2.04	6.39	2.51	6.68	2.20	6.49	3.90	9.52	3.44	8.61	3.47	9.71	3.43	7.74	3.13	8.74	3.47	8.86	2.59	8.98	2.84	7.69		
1882	Jan.	2.89	2.89	1.15	1.15	0.71	0.71	1.17	1.17	1.85	1.85	0.83	0.83	1.14	1.14	3.25	3.25	2.45	2.45	2.11	2.11	1.94	1.94	2.74	2.74	2.50	2.50	1.57	1.57	1.82	1.82		
	Feb.	3.02	5.91	1.54	2.69	0.65	1.36	1.19	2.36	1.51	3.36	1.02	1.85	1.18	2.32	4.33	7.58	2.04	4.49	1.92	4.03	3.29	4.23	2.93	5.67	2.70	5.20	1.56	3.13	1.94	3.76		
	Mar.	4.43	10.34	2.48	5.17	1.76	3.12	1.94	4.30	2.22	5.58	1.78	3.63	2.04	4.36	4.28	11.86	3.29	7.78	3.11	7.14	4.04	8.27	4.07	9.74	3.76	8.96	2.65	5.78	2.90	6.66		
1883	Jan.	3.05	3.05	2.04	2.04	1.70	1.70	1.94	1.94	2.89	2.89	2.38	2.38	2.19	2.19	5.67	5.67	4.68	4.68	3.28	3.28	4.63	4.63	5.43	5.43	4.74	4.74	2.55	2.55	3.47	3.47		
	Feb.	2.94	5.99	2.12	4.16	2.00	3.70	2.75	4.69	3.27	6.16	3.98	6.36	2.82	5.01	4.26	9.03	2.31	6.99	5.53	8.81	3.87	8.50	6.40	11.83	4.47	9.21	4.15	6.70	3.65	7.12		
	Mar.	2.94	8.9																														

TABLE III.—SHOWING THE ACCUMULATED TEMPERATURE (ABOVE AND BELOW 42° F.), FOR EACH MONTH AND FROM THE COMMENCEMENT OF THE YEAR, DURING THE FIRST QUARTERS OF THE SEVEN YEARS, 1878 TO 1884.

YEARS AND MONTHS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										Channel Islands.		Means for the British Islands generally.							
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		Means for Wheat Districts.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.						10. IRELAND, S.		Means for Grazing, &c. Districts.			
	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.		
DAY-DEGREES ABOVE 42° FAHRENHEIT.																																
1878 .	Jan.	23	23	34	34	36	36	38	38	60	60	49	49	43	43	51	51	52	52	98	98	48	48	108	108	71	71	123	123	57	57	
	Feb.	64	87	62	96	58	94	59	97	64	124	60	109	61	104	87	138	51	103	83	181	66	114	99	207	77	148	111	234	69	126	
	Mar.	55	140	70	166	93	187	117	214	126	250	130	239	107	211	120	258	93	196	162	343	116	230	180	387	134	282	173	407	121	247	
1879 .	Jan.	0	0	0	0	0	0	0	0	0	0	5	5	1	1	0	0	0	0	36	36	1	1	16	16	11	11	43	43	6	6	
	Feb.	2	2	0	0	5	5	26	26	27	27	25	30	17	18	3	3	9	9	54	90	12	13	45	61	25	36	64	107	21	27	
	Mar.	21	23	38	38	50	55	78	104	88	115	76	106	66	84	50	53	54	63	111	201	58	71	110	171	77	113	116	223	72	99	
1880 .	Jan.	20	20	5	5	23	23	15	15	24	24	21	21	18	18	23	23	24	24	36	36	42	42	49	49	35	35	34	34	27	27	
	Feb.	50	70	54	59	55	78	53	68	57	81	49	70	54	72	53	76	56	80	99	135	87	129	103	152	80	115	111	145	67	94	
	Mar.	56	126	100	159	91	169	158	226	171	252	101	261	142	214	133	209	148	228	186	321	159	288	176	328	160	275	177	322	151	245	
1881 .	Jan.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	1	1	5	5	3	3	27	27	2	2		
	Feb.	0	0	0	0	2	2	8	8	12	12	22	22	9	9	3	3	9	9	56	65	25	26	77	82	34	37	79	106	22	24	
	Mar.	16	16	59	59	62	64	108	116	114	126	136	158	96	105	56	59	63	72	120	185	95	121	143	225	95	132	144	250	96	120	
1882 .	Jan.	57	57	60	60	34	34	41	41	54	54	52	52	48	48	66	66	48	48	83	83	91	91	124	124	82	82	99	99	65	65	
	Feb.	69	126	101	161	83	117	67	108	79	133	78	130	82	130	84	150	58	106	100	183	115	206	119	243	95	177	111	203	89	154	
	Mar.	85	211	127	288	149	266	218	326	205	338	229	359	186	316	111	261	145	251	167	350	167	373	193	436	157	334	219	422	172	326	
1883 .	Jan.	22	22	18	18	13	13	26	26	42	42	57	57	31	31	33	33	35	35	94	94	67	67	96	96	65	65	118	118	48	48	
	Feb.	22	44	55	73	50	63	70	96	74	116	92	149	68	99	55	88	64	99	92	186	55	122	97	193	73	138	81	199	71	119	
	Mar.	25	69	46	119	49	112	43	139	62	178	59	208	52	151	42	130	51	150	75	261	66	188	89	282	64	202	66	265	58	177	
1884 .	Jan.	40	40	60	60	59	59	74	74	81	81	90	90	73	73	67	67	69	69	106	106	77	77	130	130	90	90	131	131	82	82	
	Feb.	25	65	42	102	52	111	83	157	80	161	98	188	71	144	54	121	67	136	98	204	72	149	103	233	79	169	123	254	75	157	
	Mar.	55	120	92	194	95	206	123	280	130	291	142	330	116	260	82	203	94	230	128	332	97	246	144	377	109	278	161	415	113	270	
MEANS FOR 7 YEARS, 1878-1884 .		Jan.	23	23	25	25	24	24	28	28	37	37	30	30	31	31	34	34	33	33	66	66	47	47	75	75	51	51	81	81	41	41
		Feb.	33	56	44	70	44	68	52	80	56	93	61	100	52	83	48	82	45	78	83	149	62	109	92	167	66	117	97	178	59	100
		Mar.	44	100	76	146	84	152	121	201	128	221	138	238	109	192	85	167	93	171	136	285	108	217	148	315	114	231	151	329	112	212
DAY-DEGREES BELOW 42° FAHRENHEIT.																																
1878 .	Jan.	131	131	117	117	102	102	88	88	66	66	69	69	89	89	88	88	56	56	31	31	68	68	35	35	56	56	7	7	73	73	
	Feb.	79	210	93	210	95	197	105	193	100	166	85	154	96	185	67	155	70	126	49	80	59	127	28	63	55	111	16	23	75	148	
	Mar.	165	375	159	369	121	318	111	304	107	273	101	255	120	305	98	253	79	205	57	137	74	201	47	110	71	182	9	32	96	244	
1879 .	Jan.	208	208	297	297	258	258	286	286	305	305	237	237	277	277	244	244	257	257	140	140	193	193	141	141	195	195	82	82	236	236	
	Feb.	176	384	230	527	207	465	167	453	170	475	135	372	182	459	175	419	163	420	68	208	150	323	75	216	122	317	35	117	152	388	
	Mar.	214	598	206	733	153	618	156	609	162	637	129	501	161	620	153	572	121	541	83	291	136	459	102	318	119	436	29	146	140	528	
1880 .	Jan.	120	120	171	171	189	189	231	231	218	218	213	213	204	204	139	139	167	167	106	106	136	136	90	90	128	128	88	88	106	106	
	Feb.	53	173	70	241	112	301	138	369	124	342	104	317	110	314	54	193	94	261	34	140	56	192	37	127	55	183	12	100	83	249	
	Mar.	124	297	119	560	111	412	123	492	105	447	64	381	104	418	67	260	74	335	18	158	53	245	35	162	48	232	0	100	77	326	
1881 .	Jan.	305	305	403	403	378	378	363	363	413	413	296	296	371	371	363	363	331	331	238	238	298	298	269	269	300	300	126	126	335	335	
	Feb.	178	483	215	616	183	561	152	515	145	558	124	420	163	534	148	511	123	454	71	309	108	406	68	337	104	404	23	149	133	468	
	Mar.	228	711	215	831	170	731	148	663	143	706	103	523	157	691	150	661	122	576	76	385	127	533	86	423	112	516	23	172	135	603	
1882 .	Jan.	57	57	68	68	85	85	100	100	91	91	84	84	86	86	37	37	51	51	35	35	48	48	25	25	39	39	21	21	63	63	
	Feb.	58	115	67	135	59	144	95	195	67	158	64	148	71	157	33	70	48	99	27	62	21	69	14	39	29	68	19	40	50	113	
	Mar.	98	213	89	224	69	213	71	266	68	226	42	190	68	225	52	122	29	128	37	99	43	112	17	56	36	104	0	40	52	165	
1883 .	Jan.	95	95	118	118	104	104	112	112	99	99	64	64	100	100	74	74	83	83	26	26	65	65	36	36	57	57	12	12	79	79	
	Feb.	103	198	101	219	86	190	100	212	97	196	58	122	89	189	59	133	63	146	48	74	88	153	66	102	65	122	8	20	77	156	
	Mar.	206	404	207	426	235	425	247	459	250	446	198	320	227	416	168	301	195	341	153	227	169	322</									

TABLE IV.—SHOWING THE AMOUNT OF BRIGHT SUNSHINE FOR EACH MONTH AND FROM THE COMMENCEMENT OF THE YEAR, DURING THE FIRST QUARTER OF THE FOUR YEARS, 1881 TO 1884.

		Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														Channel Islands.		Means for the British Islands generally.	
		0. Scotland, N.		1. Scotland, N.E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat Districts generally.		6. Scotland, W.		7. England, N.W.		8. England, S.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts generally.							
Years and Months.		Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.				
1881	Jan.	30	39	69	69	42	42	58	58	43	43	45	45	51	51	46	46	67	67	77	77	61	61	84	84	67	67	93	93	59	59		
	Feb.	51	90	51	120	33	75	31	89	46	89	41	86	40	91	58	104	58	125	79	156	45	106	63	147	61	128	77	170	51	110		
	Mar.	93	185	151	271	138	213	183	272	168	257	159	245	160	251	132	236	121	246	168	324	151	257	160	307	146	274	149	319	153	263		
1882	Jan.	24	24	60	60	40	40	32	32	34	34	24	24	33	38	21	21	27	27	33	33	41	41	45	45	33	33	41	41	36	36		
	Feb.	29	53	92	152	59	99	49	81	45	79	46	70	58	96	38	59	37	64	64	97	55	96	53	98	49	82	105	146	54	90		
	Mar.	116	169	142	294	131	230	163	244	132	211	169	239	147	243	95	154	95	159	145	242	131	227	136	234	130	202	178	324	134	224		
1883	Jan.	43	43	42	42	33	33	50	50	46	46	46	46	43	43	33	33	41	41	49	49	50	50	52	52	45	45	62	62	44	44		
	Feb.	54	97	84	126	74	107	96	146	84	130	82	128	84	127	63	96	71	112	78	127	58	108	69	121	68	113	118	180	76	120		
	Mar.	148	245	148	274	159	266	166	312	161	291	179	307	163	290	153	249	156	268	197	324	134	242	161	282	160	273	195	375	162	282		
1884	Jan.	9	9	54	54	24	24	31	31	25	25	30	30	33	33	21	21	13	13	18	18	20	20	23	23	19	19	50	50	26	26		
	Feb.	59	68	57	111	35	59	58	89	40	74	53	83	50	83	42	63	36	49	41	59	53	73	55	78	45	64	71	121	48	74		
	Mar.	108	176	88	199	91	150	117	206	105	179	113	196	103	186	79	142	85	134	114	173	71	144	89	167	88	152	184	305	96	170		
MEANS FOR THE 4 YEARS 1881-1884		Jan.	29	29	56	56	35	35	43	43	37	36	36	41	41	30	30	37	37	44	44	43	43	51	51	41	41	62	62	41	41		
		Feb.	48	77	71	127	50	84	57	100	56	93	55	91	58	99	50	80	51	88	66	110	53	96	60	111	56	97	93	155	57	98	
		Mar.	116	193	132	259	130	214	157	257	141	234	155	246	148	242	115	195	114	202	156	266	122	218	137	248	129	226	177	332	136	234	
Years and Months.		Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.		
1881	Jan.	15	15	34	34	20	20	25	25	20	20	19	19	24	24	22	22	30	30	34	34	27	27	38	38	30	30	39	39	27	27		
	Feb.	20	18	19	27	12	16	11	18	17	19	14	17	15	20	21	22	21	26	28	31	16	22	22	30	22	26	28	34	19	23		
	Mar.	23	19	32	28	33	22	44	28	39	26	37	25	37	26	31	25	28	26	39	34	35	27	37	33	34	29	36	34	26	28		
1882	Jan.	11	11	30	30	19	19	14	14	16	16	11	11	18	18	9	9	12	12	14	14	18	18	20	20	15	15	17	17	17	17		
	Feb.	11	11	35	33	22	21	18	16	25	21	17	14	23	21	15	12	13	13	25	20	21	20	20	20	19	17	40	29	21	19		
	Mar.	27	17	34	33	29	24	38	25	31	24	40	24	34	26	25	17	23	17	35	25	31	24	32	25	29	22	42	34	32	24		
1883	Jan.	23	23	18	18	15	15	22	22	21	21	20	20	19	19	15	15	18	18	21	21	23	23	23	23	20	20	26	26	20	20		
	Feb.	28	26	32	25	27	21	36	30	32	27	31	26	32	26	24	20	26	22	29	25	22	23	26	25	25	23	43	35	28	25		
	Mar.	75	29	36	29	59	28	40	33	40	31	43	32	40	31	37	26	35	23	48	34	34	27	39	30	39	29	47	39	30	30		
1884	Jan.	5	5	26	26	11	11	14	14	11	11	13	13	15	15	10	10	6	6	8	8	9	9	10	10	9	9	21	21	12	12		
	Feb.	23	14	23	25	13	12	22	18	19	15	19	16	19	17	16	13	14	10	15	12	20	15	21	16	17	13	25	23	18	15		
	Mar.	27	19	22	23	22	16	29	22	26	19	28	20	25	20	19	15	21	14	28	17	18	16	21	18	21	16	45	31	23	18		
MEANS FOR THE 4 YEARS 1881-1884		Jan.	14	14	27	27	16	16	19	19	17	16	16	19	19	14	14	17	17	19	19	19	19	25	25	19	19	26	26	19	19		
		Feb.	21	17	27	27	19	18	22	21	23	21	20	22	21	19	17	19	18	25	22	20	20	22	23	21	20	34	30	22	21		
		Mar.	28	22	32	28	31	35	38	27	31	25	37	25	34	26	20	21	27	21	33	28	30	24	32	27	31	24	43	35	33	32	

NOTE.—The Sunshine Recorders were not in operation until 1st April 1880.

EXPLANATION OF TABLES.

TABLE I. is merely an amplification of the Table which has hitherto constituted the Quarterly Summary of the Weekly Weather Report. The whole of the values for 1878-83, however, have been corrected for information received since they were first published.

TABLES II. to IV. In these Tables the monthly values for *January* are those for the first four weeks in the year; those for *February* are for the fifth to the eighth weeks; those for *March* are for the ninth to the thirteenth weeks. The *Weekly* values will be published as Appendix II. subsequently.

The figures given in the columns headed "Sums" and "Means" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0 are not included.

In the "Means for the Grazing, &c. Districts" the values for the "Channel Islands" are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1884.

VOL. I. APPENDIX I.]
New Series.

SECOND QUARTER—APRIL TO JUNE.

[Price 4d.]

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE. FOR THE SECOND QUARTER OF THE NINETEEN YEARS, 1866 TO 1884.

YEARS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										Channel Islands.		Means for the British Islands Generally.						
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.						10. IRELAND, S.		MEANS FOR THE GRAZING DISTRICTS.		
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.			
1866	—	6.2	—	—	4.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1867	—	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1868	—	10.9	—	—	6.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1869	—	6.7	—	—	5.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1870	—	9.5	—	—	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1871	—	4.3	—	—	6.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1872	—	11.4	—	—	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1873	—	7.9	—	—	5.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1874	—	10.0	—	—	4.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1875	—	8.7	—	—	5.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Means for 10 years, 1866-75	—	8.6	—	—	6.1	—	—	—	—	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1876	—	8.4	—	—	6.1	—	—	—	—	4.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1877	—	10.1	—	—	8.8	—	—	—	—	5.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1878	—	3.8	—	—	6.2	—	—	—	—	8.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1879	—	4.6	—	—	8.3	—	—	—	—	5.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1880	—	4.9	—	—	4.3	—	—	—	—	6.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1881	—	4.0	—	—	4.5	—	—	—	—	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1882	—	5.1	—	—	7.4	—	—	—	—	8.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1883	—	5.7	—	—	4.0	—	—	—	—	6.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1884	—	4.8	—	—	3.9	—	—	—	—	3.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Means for 19 years, 1866-84	—	7.6	—	—	6.1	—	—	—	—	5.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1866	—	43.2	—	—	48.1	—	—	—	—	52.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1867	—	47.2	—	—	49.9	—	—	—	—	52.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1868	—	49.7	—	—	52.3	—	—	—	—	55.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1869	—	47.7	—	—	49.4	—	—	—	—	50.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1870	—	40.5	—	—	52.5	—	—	—	—	54.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1871	—	47.2	—	—	48.4	—	—	—	—	49.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1872	—	48.2	—	—	49.7	—	—	—	—	52.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1873	—	47.9	—	—	49.8	—	—	—	—	49.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1874	—	48.4	—	—	49.6	—	—	—	—	51.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1875	—	49.3	—	—	51.4	—	—	—	—	52.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Means for 10 years, 1866-75	—	48.3	—	—	50.1	—	—	—	—	49.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1876	—	48.2	—	—	49.7	—	—	—	—	49.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1877	—	46.6	—	—	47.5	—	—	—	—	50.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1878	—	48.8	—	—	50.6	—	—	—	—	53.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1879	—	45.0	—	—	46.8	—	—	—	—	47.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1880	—	47.6	—	—	49.9	—	—	—	—	49.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1881	—	46.8	—	—	50.1	—	—	—	—	50.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1882	—	47.5	—	—	49.4	—	—	—	—	50.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1883	—	47.3	—	—	50.1	—	—	—	—	50.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1884	—	46.8	—	—	49.4	—	—	—	—	50.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Means for 19 years, 1866-84	—	47.8	—	—	49.7	—	—	—	—	49.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE IA.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE NINETEEN YEARS, 1866 TO 1884.

		Wheat Districts.		Grazing, &c. Districts.		Generally.	
Rainfall	{ Driest	—	—	Ins.	—	Ins.	—
	{ Wettest	—	—	3.1 in 1870	—	5.2 in 1868	—
Temperature	{ Coldest	—	—	9.4 in 1879	—	9.8 in 1879	—
	{ Warmest	—	—	48.4 in 1879	—	48.8 in 1879	—
				54.0 in 1868			58.8 in 1868

TABLE II.—SHOWING THE AMOUNT OF RAINFALL IN EACH MONTH, AND THE PROGRESSIVE AMOUNTS, FROM THE COMMENCEMENT OF THE YEAR, DURING THE SECOND QUARTER OF EACH OF THE SEVEN YEARS, 1878 TO 1884.

YEARS AND MONTHS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										Channel Islands.	Means for the British Islands generally.					
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, R.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DIS- TRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.					MEANS FOR GRAZ- ING, &c. DIS- TRICTS.			
	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.				Monthly.	Sums.	Monthly.	Sums.
NUMBERS OF DAYS WITH RAIN.																															
1878 -	April	9	83	11	51	9	54	14	66	16	59	15	57	13	58	12	65	10	61	19	60	11	71	18	70	14	65	20	76	14	62
	May	17	100	16	67	19	73	23	89	24	83	20	77	20	78	19	84	23	84	23	83	22	93	24	94	22	87	22	98	21	83
	June	12	112	11	78	16	89	17	106	16	99	16	93	15	93	11	95	15	99	16	99	16	109	20	114	16	103	19	117	16	99
1879 -	April	15	69	16	62	18	73	21	75	18	66	17	66	18	68	13	60	15	58	16	70	15	75	18	73	15	67	18	81	16	68
	May	16	85	14	76	17	90	19	94	17	83	16	82	17	85	16	76	16	74	16	86	17	92	16	89	16	83	15	96	16	84
	June	15	100	26	102	22	112	28	122	29	112	27	109	26	111	22	98	24	98	29	115	26	118	29	118	26	109	31	127	26	110
1880 -	April	19	68	17	58	17	51	19	57	17	52	17	55	17	54	20	69	16	56	15	62	23	72	21	71	19	66	20	70	18	60
	May	12	80	10	68	8	59	8	65	6	58	5	60	7	61	7	76	4	60	4	66	9	81	5	76	6	72	5	75	6	66
	June	15	95	16	84	19	78	23	88	25	83	21	81	21	82	19	95	20	80	19	85	21	102	20	96	20	92	24	99	21	87
1881 -	April	12	72	15	61	13	64	14	61	10	52	11	50	12	57	12	58	12	54	13	58	16	67	14	58	13	59	13	64	13	60
	May	12	84	10	71	11	75	9	70	10	62	10	60	10	67	13	71	14	68	9	67	14	81	12	70	12	71	9	73	11	71
	June	25	109	20	91	17	92	12	82	17	79	12	72	16	83	24	95	18	86	20	87	25	106	22	92	22	93	19	92	19	90
1882 -	April	17	89	16	64	16	48	19	51	18	53	18	52	17	53	18	80	18	67	21	70	18	81	19	78	19	76	18	66	18	64
	May	14	103	12	76	11	59	11	62	11	64	10	62	11	64	12	92	11	78	11	81	16	97	13	91	13	89	9	75	12	76
	June	20	123	23	99	20	79	18	80	20	84	19	81	20	84	21	113	22	100	23	104	26	123	25	116	23	112	22	97	22	98
1883 -	April	12	77	10	62	10	63	10	61	9	58	10	59	10	61	12	68	10	61	10	65	12	75	11	68	11	68	9	72	10	65
	May	19	96	15	77	13	76	13	74	13	71	13	72	13	74	13	81	11	72	12	77	16	91	12	80	13	81	12	84	13	78
	June	17	113	15	92	16	92	13	87	17	88	13	85	15	89	20	101	17	89	20	97	24	115	21	101	20	101	21	105	18	96
1884 -	April	11	77	14	66	18	62	16	58	13	60	11	59	14	60	9	77	12	69	11	73	10	80	11	78	11	76	14	73	13	69
	May	21	98	15	81	12	74	10	68	10	70	11	70	12	72	20	97	12	81	13	86	19	99	16	94	16	92	13	86	14	83
	June	16	114	10	91	9	83	7	75	9	79	9	79	9	81	11	108	8	89	8	94	13	112	11	105	10	102	15	101	10	93
MEANS FOR 7 YEARS 1878-1884 -	April	14	78	14	61	14	58	16	61	14	57	14	57	14	58	14	69	13	61	15	66	15	74	16	71	15	69	16	71	15	64
	May	16	94	13	74	13	71	13	74	13	70	12	69	13	71	14	83	13	74	13	79	16	90	14	85	14	83	12	83	13	77
	June	17	111	17	91	17	88	17	91	19	89	17	86	17	88	18	101	18	92	19	98	22	112	21	106	20	103	22	105	19	96
RAINFALL IN INCHES.																															
1878 -	April	0.40	9.73	0.32	5.19	1.58	6.42	2.10	6.63	2.03	5.93	2.81	7.89	1.89	6.42	2.91	13.93	1.26	8.42	3.06	9.13	1.77	10.06	2.73	10.50	2.35	10.41	3.25	9.31	2.12	8.42
	May	1.92	11.65	2.45	7.64	3.25	9.67	3.82	10.45	4.69	10.62	2.68	10.57	3.38	9.80	3.36	17.29	3.93	12.35	5.05	14.18	4.20	14.26	5.58	16.08	4.42	14.83	3.71	13.02	3.90	12.32
	June	1.37	13.02	2.35	10.49	2.81	12.48	2.27	12.72	2.47	13.09	2.87	13.44	2.05	12.45	2.45	19.74	3.09	15.44	3.52	17.70	3.11	17.37	5.56	21.64	3.55	18.38	3.64	16.66	3.10	15.42
1879 -	April	1.40	6.85	2.36	9.29	2.14	7.25	2.52	8.73	2.29	8.40	2.72	10.91	2.41	8.92	1.78	10.32	1.75	8.40	2.79	13.99	1.88	8.52	3.17	14.35	2.27	11.12	2.36	14.15	2.34	10.03
	May	1.81	8.66	1.92	10.51	2.27	9.52	2.36	11.09	1.86	10.26	1.76	12.67	1.89	10.38	1.29	12.61	1.98	10.38	2.61	13.50	2.94	11.50	1.98	16.33	2.15	15.27	1.35	15.50	2.02	12.05
	June	1.26	9.92	1.74	15.25	3.91	13.43	5.17	16.26	5.89	16.15	5.78	18.45	5.10	15.91	5.84	18.45	4.64	15.02	7.00	22.50	5.15	16.65	6.45	22.78	5.52	19.09	5.22	20.72	5.46	17.31
1880 -	April	1.96	9.32	2.19	8.28	2.88	6.06	2.76	6.11	2.08	6.43	2.44	7.12	2.59	6.80	4.37	14.65	1.88	8.11	2.71	9.64	3.81	11.31	4.06	13.89	3.37	11.52	2.39	8.34	2.98	9.17
	May	1.18	10.50	0.48	8.76	0.29	6.55	0.51	6.62	0.46	6.88	0.24	7.36	0.44	7.24	0.81	15.46	0.41	8.52	0.25	9.89	0.76	12.07	0.68	14.57	0.58	12.10	0.12	8.46	0.51	9.68
	June	1.74	12.24	1.63	10.39	3.27	9.82	3.02	9.64	4.62	11.50	2.78	10.14	3.06	10.30	2.78	18.24	4.37	12.89	2.43	12.32	3.95	16.02	3.10	17.07	3.33	15.43	2.08	10.54	3.20	12.88
1881 -	April	1.06	10.23	1.29	8.66	1.35	7.65	1.19	6.95	1.05	7.44	0.90	7.58	1.16	7.65	1.65	11.17	1.59	10.20	1.51	11.22	1.72	9.46	1.65	10.39	1.62	10.48	1.02	10.00	1.39	9.08
	May	2.40	12.63	1.83	10.49	1.17	8.82	1.00	7.95	1.21	8.65	1.09	8.67	1.26	8.91	3.04	14.21	3.90	14.16	1.28	12.50	2.24	11.70	1.98	12.37	2.50	12.98	0.94	10.94	1.88	10.06
	June	3.50	16.13	2.50	12.99	1.95	10.77	2.08	10.03	2.08	10.73	2.20	10.87	2.16	11.07	4.58	18.79	3.05	17.21	3.28	15.78	4.54	16.24	4.69	17.06	4.03	17.01	2.60	13.54	3.10	14.06
1882 -	April	2.48	12.82	2.58	7.75	3.70	6.82	3.07	7.37	3.37	8.95	3.38	7.01	3.22	7.58	3.44	15.30	4.16	11.94	4.60	11.74	2.66	10.93	4.49	14.23	3.87	12.83	2.58	8.36	3.55	10.21
	May	1.34	14.16	1.38	9.13	1.95	8.77	1.59	8.96	2.21	11.16	1.52	8.53	1.73	9.31	2.24	17.54	1.71	13.65	1.66	13.40	2.27	13.20	1.98	16.21	1.97	14.80	1.02	9.38	1.85	12.06
	June	3.62	17.78	3.45	12.58	3.59	12.36	3.30	12.26	4.27	15.43	3.02	11.55	3.53	12.84	4.79	22.33	4.75	18.40	3.95	17.35	4.43	17.63	3.81	20.02	4.35	19.15	3.01	12.39	3.94	16.00
1883 -	April	1.15	10.08	1.35	7.88	1.28	7.04	1.73	8.15	1.51	8.86	1.30	8.81	1.43	8.14	2.22	14.39	1.54	10.00	1.10	11.53	1.43	11.64	2.46	16.25	1.75	12.76	1.50	10.34	1.59	10.46
	May	2.60	12.68	0.84	8.72	1.56	8.60	1.05	9.80	1.64	10.50																				

TABLE III.—SHOWING THE ACCUMULATED TEMPERATURE (ABOVE AND BELOW 42° F.), FOR EACH MONTH AND FROM THE COMMENCEMENT OF THE YEAR, DURING THE SECOND QUARTER OF EACH OF THE SEVEN YEARS, 1878 TO 1884.

YEARS AND MONTHS.		Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														Channel Islands.		Means for the British Islands generally.	
		0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing, &c. Districts.							
		Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.						
DAY-DEGREES ABOVE 42° FAHRENHEIT.																																	
1878 -	April	120	260	136	303	150	337	180	394	200	450	202	441	174	385	204	462	202	398	202	545	188	418	205	592	200	482	218	625	187	434		
	May	190	450	222	524	257	594	342	736	320	779	354	795	301	686	278	740	294	692	322	867	263	681	309	901	293	775	345	970	297	731		
	June	342	792	432	956	470	1064	540	1276	579	1358	590	1394	524	1210	505	1245	535	1227	582	1449	499	1180	530	1431	530	1305	583	1553	527	1258		
1879 -	April	41	64	54	92	68	123	95	199	100	215	108	214	85	169	89	142	82	145	128	329	92	163	121	292	102	215	132	355	91	190		
	May	108	172	161	253	162	285	175	374	205	420	196	410	180	349	175	317	174	319	203	532	170	333	209	501	186	401	204	559	183	373		
	June	258	430	340	593	404	689	466	840	449	869	479	889	428	777	408	725	413	732	456	988	402	735	433	934	423	824	460	1019	426	799		
1880 -	April	98	224	135	294	145	314	173	399	172	424	167	428	158	372	133	342	133	361	169	490	142	430	161	492	148	423	181	503	153	398		
	May	150	374	214	508	178	492	210	609	235	659	259	687	219	591	208	550	208	569	277	767	225	655	265	757	237	660	246	749	228	620		
	June	305	679	411	919	400	892	484	1093	447	1106	492	1179	417	1038	425	975	442	1011	483	1250	423	1078	464	1221	447	1107	468	1217	447	1073		
1881 -	April	67	83	111	170	91	155	147	263	166	292	181	339	139	244	128	187	144	216	166	351	151	272	181	406	154	286	179	429	147	267		
	May	178	261	238	408	237	392	301	564	320	612	313	652	282	526	263	450	270	486	294	645	283	555	312	718	284	570	311	740	283	550		
	June	286	547	436	844	477	869	545	1109	531	1143	557	1209	509	1035	429	879	481	967	488	1133	441	996	463	1181	460	1030	525	1265	485	1035		
1882 -	April	72	283	97	385	128	394	179	505	187	525	200	559	158	474	127	388	157	408	183	533	158	531	171	607	159	493	224	646	159	485		
	May	175	458	221	606	229	623	287	792	289	814	326	885	270	744	147	635	257	665	282	815	253	784	278	885	263	756	328	974	267	752		
	June	329	787	418	1024	458	1061	479	1271	463	1277	513	1398	462	1206	439	1074	454	1119	461	1276	438	1222	465	1350	451	1207	506	1480	457	1209		
1883 -	April	113	182	149	268	133	245	171	310	196	374	181	389	166	317	156	266	150	300	156	417	167	355	172	454	156	358	154	419	161	338		
	May	129	311	208	476	202	447	264	574	260	634	284	673	244	561	192	456	219	519	243	660	205	560	232	686	218	576	263	682	231	569		
	June	309	620	412	888	455	902	519	1093	507	1141	557	1230	490	1051	419	877	476	995	486	1146	435	995	466	1152	456	1032	518	1200	473	1042		
1884 -	April	92	212	120	314	94	300	126	406	132	423	142	472	123	383	137	340	120	350	130	462	153	399	165	542	141	419	146	561	132	402		
	May	133	345	205	519	245	545	300	706	285	768	312	784	269	652	198	538	214	594	251	713	223	622	257	799	235	654	303	864	252	654		
	June	284	629	411	930	408	953	453	1159	477	1185	514	1298	453	1105	431	969	446	1040	497	1210	439	1061	474	1273	457	1111	493	1357	455	1109		
MEANS FOR 7 YEARS, 1878-1884 -		April	86	186	114	260	116	268	153	354	165	386	169	407	143	335	136	303	141	312	162	447	150	367	168	483	151	382	176	505	147	359	
		May	152	338	210	470	216	484	268	622	275	661	292	699	252	587	223	526	238	550	267	714	232	599	266	749	245	627	286	791	249	608	
		June	302	640	409	879	436	920	498	1120	493	1154	530	1229	473	1060	437	963	464	1014	493	1207	440	1039	471	1220	461	1088	508	1299	467	1075	
DAY-DEGREES BELOW 42° FAHRENHEIT.																																	
1878 -	April	45	420	44	413	44	362	39	343	43	316	21	276	38	343	24	277	15	220	11	148	18	219	13	123	16	198	0	32	27	271		
	May	12	432	7	420	4	366	0	343	0	316	0	276	2	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	1	272		
	June	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272		
1879 -	April	95	693	85	818	82	700	84	693	90	727	55	556	79	699	76	648	67	608	40	331	60	519	41	359	57	493	17	163	68	596		
	May	58	751	44	862	43	743	44	737	44	771	34	590	42	741	30	678	25	633	11	343	26	545	15	374	21	574	0	162	32	628		
	June	2	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	574	0	163	0	628		
1880 -	April	31	328	35	395	27	439	29	521	32	479	14	395	28	446	18	278	17	352	3	161	24	269	8	170	14	246	0	100	21	347		
	May	22	350	23	418	26	465	20	541	33	512	9	404	22	468	14	292	14	366	6	167	17	286	6	176	11	257	0	100	17	364		
	June	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364		
1881 -	April	99	810	68	899	66	797	53	716	48	754	32	555	53	744	53	714	47	623	22	407	34	567	17	440	35	551	4	176	44	647		
	May	21	831	7	906	4	801	16	732	11	765	5	560	9	755	3	717	0	623	0	407	0	567	0	440	1	552	0	176	5	652		
	June	12	843	2	908	1	802	0	732	0	765	0	560	1	754	3	720	0	623	0	407	0	567	0	440	1	553	0	176	1	653		
1882 -	April	82	295	71	295	34	247	29	295	39	265	16	206	38	263	50	172	27	155	10	109	35	147	19	75	28	132	0	40	33	198		
	May	16	311	18	313	5	252	7	302	10	275	0	206	8	271	6	178	0	155	0	109	9	156	3	78	4	136	0	40	6	204		
	June	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	204		
1883 -	April	29	433	30	456	39	464	46	505	45	491	31	351	38	454	35	336	32	373	21	248	42	364	33	239	33	317	1	117	36	387		
	May	30	463	21	477	27	491	13	518	19	510	8	359	18	472	20	356	15	388	10	258	12	376	5	264	12	329	0	117	15	402		
	June	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264								

TABLE II.—SHOWING THE AMOUNT OF RAINFALL IN EACH MONTH, AND THE PROGRESSIVE AMOUNTS, FROM THE COMMENCEMENT OF THE YEAR, DURING THE SECOND QUARTER OF EACH OF THE SEVEN YEARS, 1878 TO 1884.

YEARS AND MONTHS.	Principal Wheat-producing Districts.													Principal Grazing, &c. Districts.													Channel Islands.	MEANS FOR THE BRITISH ISLANDS GENERALLY.				
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, H.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.	6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.								
	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.		Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.									
NUMBERS OF DAYS WITH RAIN.																																
1878 -	April	9	83	11	51	9	54	14	66	16	59	15	57	13	58	12	65	10	61	19	60	11	18	70	14	65	20	76	14	62		
	May	17	100	16	67	19	73	23	89	24	83	20	77	20	78	19	84	23	83	22	93	24	94	22	87	22	98	21	83			
	June	12	112	11	78	16	89	17	106	16	99	16	93	15	93	11	95	15	99	16	99	16	109	20	114	16	103	19	117	16	99	
1879 -	April	15	69	16	62	18	73	21	75	18	66	17	66	18	68	13	60	15	58	16	70	15	75	18	73	15	67	18	81	16	68	
	May	16	85	14	76	17	90	19	94	17	83	16	82	17	85	16	76	16	74	16	86	17	92	16	89	16	83	15	96	16	84	
	June	15	100	26	102	22	112	28	122	29	112	27	109	26	111	22	98	24	98	29	115	26	118	29	118	26	109	31	127	26	110	
1880 -	April	19	68	17	58	17	51	19	57	17	52	17	55	17	54	20	69	16	56	15	62	23	72	21	71	19	66	20	70	18	60	
	May	12	80	10	68	8	59	8	65	6	58	5	60	7	61	7	76	4	60	4	66	9	81	5	76	6	72	5	75	6	66	
	June	15	95	16	84	19	78	23	88	25	83	21	81	21	82	19	95	20	80	19	85	21	102	20	96	20	92	24	99	21	87	
1881 -	April	12	72	15	61	13	64	14	61	10	52	11	50	12	57	12	58	12	54	13	58	16	67	14	58	13	59	13	64	13	60	
	May	12	84	10	71	11	75	9	70	10	62	10	60	10	67	13	71	14	68	9	67	14	81	12	70	12	71	9	73	11	71	
	June	25	109	20	91	17	92	12	82	17	79	12	72	16	83	24	95	18	86	20	87	25	106	22	92	22	93	19	92	19	90	
1882 -	April	17	89	16	64	16	48	19	51	18	53	18	52	17	53	18	80	18	67	21	70	18	81	19	78	19	76	18	66	18	64	
	May	14	103	12	76	11	59	11	62	11	64	10	62	11	64	12	92	11	78	11	81	16	97	13	91	13	89	9	75	12	76	
	June	20	123	23	99	20	79	18	80	20	84	19	81	20	84	21	113	22	100	23	104	26	123	25	116	23	112	22	97	22	98	
1883 -	April	12	77	10	62	10	63	10	61	9	58	10	59	10	61	12	68	10	61	10	65	12	75	11	68	11	68	9	72	10	65	
	May	19	96	15	77	13	76	13	74	13	71	13	72	13	74	13	81	11	72	12	77	16	91	12	80	13	81	12	84	13	78	
	June	17	113	15	92	16	92	13	87	17	88	13	85	15	89	20	101	17	89	20	97	24	115	21	101	20	101	21	105	18	96	
1884 -	April	11	77	14	66	18	62	16	58	13	60	11	59	14	60	9	77	12	69	11	73	10	80	11	78	11	76	14	73	13	69	
	May	21	98	15	81	12	74	10	68	10	70	11	70	12	72	20	97	12	81	13	86	19	99	16	94	16	92	13	86	14	83	
	June	16	114	10	91	9	83	7	75	9	79	9	79	9	81	11	108	8	89	8	94	13	112	11	105	10	102	15	101	10	93	
MEANS FOR 7 YEARS 1878-1884 -		April	14	78	14	61	14	58	16	61	14	57	14	57	14	58	14	69	13	61	15	66	15	74	16	71	15	69	16	71	15	64
		May	16	94	13	74	13	71	13	74	13	70	12	69	13	71	14	83	13	74	13	79	16	90	14	85	14	83	12	83	13	77
		June	17	111	17	91	17	88	17	91	19	89	17	86	17	88	18	101	18	92	19	98	22	112	21	106	20	103	22	105	19	96
RAINFALL IN INCHES.																																
1878 -	April	0.40	9.73	0.92	5.19	1.58	6.42	2.10	6.63	2.03	5.93	2.51	7.89	1.89	6.42	2.91	13.93	1.26	8.42	3.06	9.13	1.77	10.06	2.73	10.50	2.35	10.47	3.25	9.31	2.12	8.42	
	May	1.92	11.65	2.45	7.64	3.25	9.67	3.82	10.45	4.69	10.62	2.68	10.57	3.38	9.80	3.36	17.29	3.93	12.35	5.05	14.18	4.20	14.26	5.58	16.08	4.42	14.83	3.71	13.02	3.90	12.32	
	June	1.37	13.02	2.35	10.49	2.81	12.48	2.27	12.72	2.47	13.09	2.87	13.44	2.05	12.45	2.45	19.74	3.09	15.44	3.52	17.70	3.11	17.37	5.56	21.64	3.55	18.38	3.64	16.66	3.10	15.42	
1879 -	April	1.40	6.85	2.36	9.29	2.14	7.25	2.52	8.73	2.20	8.40	2.72	10.91	2.41	8.92	1.78	10.32	1.75	8.40	2.79	13.99	1.84	8.52	3.17	14.35	2.27	11.12	2.36	14.15	2.34	10.03	
	May	1.81	8.66	2.92	10.51	2.27	9.52	2.36	11.09	1.86	10.26	1.76	12.67	1.89	10.81	2.29	12.61	1.98	13.88	1.51	15.50	2.98	11.50	1.98	16.33	2.15	13.27	1.35	15.50	2.02	12.05	
	June	1.26	9.92	4.74	15.25	3.91	13.43	5.17	16.26	5.89	16.15	5.78	18.45	5.10	15.91	5.84	18.45	4.64	15.02	7.00	22.50	5.15	16.65	6.45	22.78	5.82	20.72	5.46	17.51			
1880 -	April	1.96	9.32	2.19	8.28	2.88	6.06	2.76	6.11	2.08	6.43	2.44	7.12	2.59	6.80	4.37	14.65	1.88	8.11	2.71	9.64	3.81	11.31	4.06	13.89	3.37	11.52	2.39	8.34	2.98	9.17	
	May	1.18	10.50	0.48	8.76	0.29	6.55	0.51	6.62	0.46	6.88	0.24	7.36	0.44	7.24	0.81	15.46	0.41	8.52	0.25	9.89	0.76	12.07	0.68	14.57	0.58	12.10	0.12	8.46	0.51	9.68	
	June	1.74	12.24	1.63	10.39	3.27	9.82	3.02	9.64	4.62	11.50	2.78	10.14	3.06	10.30	2.78	18.24	4.37	12.89	2.43	12.32	3.95	16.02	3.10	17.07	3.33	15.43	2.08	10.54	3.20	12.88	
1881 -	April	1.06	10.23	1.29	8.66	1.35	7.65	1.19	6.95	1.05	7.44	0.90	7.58	1.16	7.65	1.65	11.17	1.59	10.20	1.51	11.22	1.72	9.46	1.65	10.39	1.62	10.48	1.02	10.00	1.30	9.08	
	May	2.40	12.63	1.83	10.49	1.77	8.82	1.00	7.95	1.21	8.65	1.09	8.67	1.26	8.91	3.04	14.21	3.96	14.16	1.28	13.50	2.24	11.70	1.98	12.37	2.50	12.98	0.94	10.94	1.88	10.96	
	June	3.50	16.13	2.50	12.99	1.95	10.77	2.08	10.03	2.08	10.73	2.20	10.87	2.16	11.07	4.58	18.79	3.05	17.21	3.28	15.78	4.54	16.24	4.69	17.06	4.03	17.01	2.60	13.54	3.10	14.06	
1882 -	April	2.48	12.82	2.58	7.75	3.70	6.82	3.07	7.37	3.37	8.95	3.38	7.01	3.22	7.58	3.44	15.30	4.16	11.94	4.60	11.74	2.06	10.93	4.49	14.23	3.87	12.83	2.58	8.36	3.35	10.21	
	May	1.34	14.16	1.38	9.13	1.95	8.77	1.59	8.96	2.21	11.16	1.52	8.53	1.73	9.31	2.24	17.54	1.71	13.65	1.66	13.40	2.27	13.20	1.98	16.21	1.97	14.80	1.02	9.38	1.85	12.06	
	June	3.62	17.78	3.45	12.58	3.59	12.36	3.30	12.26	4.27	15.43	3.02	11.55	3.53	12.84	4.79	22.33	4.75	18.40	3.95	17.35	4.43	17.63	3.81	20.02	4.35	19.15	3.01	12.39	3.94	16.00	
1883 -	April	1.15	10.08	1.35	7.88	1.28	7.04	1.73	8.15	1.51	8.86	1.30	8.81	1.43	8.14	2.22	14.39	1.54	10.00	1.10	11.53	1.43	11.64	2.46	16.25	1.75	12.76	1.50	10.34	1.59	10.46	
	May	2.60	12.68	0.84	8.72	1.56	8.60	1.65	9.80	1.64	10.50	2.12	10.93	1.56	9.70	2.41	16.82	1.15	11.15	2.18	13.											

TABLE III.—SHOWING THE ACCUMULATED TEMPERATURE (ABOVE AND BELOW 42° F.), FOR EACH MONTH AND FROM THE COMMENCEMENT OF THE YEAR, DURING THE SECOND QUARTER OF EACH OF THE SEVEN YEARS, 1878 TO 1884.

YEARS AND MONTHS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										Channel Islands.		Means for the British Islands generally.				
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.						MEANS FOR GRAZING, &c. DISTRICTS.		
	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.			
DAY-DEGREES ABOVE 42° FAHRENHEIT.																															
1878 -	April	120	260	136	302	150	337	180	394	200	450	202	441	174	385	204	462	202	398	202	545	188	418	205	592	200	482	218	625	187	434
	May	190	450	222	524	257	594	342	736	329	779	354	795	301	686	278	740	294	692	322	867	263	681	309	901	293	775	345	970	297	731
	June	342	792	432	956	470	1064	540	1276	579	1358	599	1394	524	1210	505	1245	535	1227	582	1449	499	1180	530	1431	530	1305	583	1553	527	1258
1879 -	April	41	64	54	92	68	123	95	199	100	215	108	214	85	169	89	142	82	145	128	329	92	163	121	292	102	215	132	355	91	190
	May	108	172	161	253	162	285	175	374	205	420	196	410	180	349	175	317	174	319	203	532	170	333	209	501	186	401	204	559	183	373
	June	258	430	340	593	404	689	466	840	449	869	479	889	428	777	408	725	413	732	456	988	402	735	433	934	423	824	460	1019	426	799
1880 -	April	98	224	135	294	145	314	173	399	172	424	167	428	158	372	133	342	133	361	169	490	142	430	164	492	148	423	181	503	153	398
	May	150	374	214	508	178	492	210	609	235	659	259	687	219	591	208	550	208	569	277	767	225	655	265	757	237	660	246	749	228	620
	June	305	679	411	919	400	892	484	1093	447	1106	492	1179	447	1038	425	975	442	1011	483	1250	423	1078	464	1221	447	1107	468	1217	447	1073
1881 -	April	67	83	111	170	91	155	147	263	166	292	181	339	139	244	128	187	144	216	166	351	151	272	181	406	154	286	179	429	147	267
	May	178	261	238	408	237	392	301	564	320	612	313	652	282	526	263	450	270	486	294	645	283	555	312	718	284	570	311	740	283	550
	June	286	547	436	844	477	869	545	1109	531	1143	557	1209	509	1035	429	879	481	967	488	1133	441	996	463	1181	460	1030	525	1265	485	1035
1882 -	April	72	283	97	385	128	394	179	505	187	525	200	559	158	474	127	388	157	408	183	533	158	531	171	607	159	493	224	646	159	485
	May	175	458	221	606	229	623	287	792	289	814	326	885	270	744	147	635	257	665	282	815	253	784	278	885	263	756	328	974	267	752
	June	329	787	418	1024	438	1061	479	1271	463	1277	513	1398	462	1206	439	1074	454	1119	461	1276	438	1222	465	1350	451	1207	506	1480	457	1209
1883 -	April	113	182	149	268	133	245	171	310	196	374	181	389	166	317	156	266	150	300	156	417	167	355	172	454	156	358	154	419	161	338
	May	129	311	208	476	202	447	264	574	260	634	284	673	244	561	192	456	219	519	243	660	205	560	232	686	218	576	263	682	231	569
	June	309	620	412	888	455	902	519	1093	507	1141	557	1230	490	1051	419	877	476	995	486	1146	435	995	466	1152	466	1032	518	1200	473	1042
1884 -	April	92	212	120	314	94	300	126	406	132	423	142	472	123	383	137	340	120	350	130	462	153	399	165	542	141	419	146	561	132	402
	May	133	345	205	519	245	545	300	706	285	708	312	784	269	652	198	538	244	594	251	713	223	622	257	799	235	654	303	864	252	654
	June	284	629	411	930	408	953	453	1159	477	1185	514	1298	453	1105	431	969	446	1040	497	1210	439	1061	474	1273	457	1111	493	1357	455	1109
MEANS FOR 7 YEARS, 1878-1884 -	April	86	186	114	260	116	268	153	354	165	386	169	407	143	335	136	303	141	312	162	447	150	367	168	483	151	382	176	505	147	359
	May	152	338	210	470	216	484	268	622	275	661	292	699	252	587	223	526	238	550	267	714	232	599	266	749	245	627	286	791	249	608
	June	302	640	409	879	436	920	498	1120	493	1154	530	1229	473	1060	437	963	464	1014	493	1207	440	1039	471	1220	461	1088	508	1299	467	1075
DAY-DEGREES BELOW 42° FAHRENHEIT.																															
1878 -	April	45	420	44	413	44	362	59	343	43	316	21	276	38	343	24	277	15	220	11	148	18	219	13	123	16	198	0	32	27	271
	May	12	432	7	420	4	366	0	343	0	316	0	276	2	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	1	272
	June	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272
1879 -	April	95	693	85	818	82	700	84	693	90	727	55	556	79	699	76	648	67	608	40	331	60	519	41	359	57	493	17	163	68	596
	May	58	751	44	862	43	743	44	737	44	771	34	590	42	741	30	678	25	633	11	343	26	545	15	374	21	574	0	162	32	628
	June	2	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	574	0	163	0	628
1880 -	April	31	328	35	395	27	439	29	521	32	479	14	395	28	446	18	278	17	352	3	161	24	269	8	170	14	246	0	100	21	347
	May	22	350	23	418	26	465	20	541	33	512	9	404	22	468	14	292	14	366	6	167	17	286	6	176	11	257	0	100	17	364
	June	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
1881 -	April	99	810	68	899	66	797	53	716	48	754	32	555	53	744	53	714	47	623	22	407	34	567	17	440	35	551	4	176	44	647
	May	21	831	7	906	4	801	16	732	11	765	5	560	9	755	3	717	0	623	0	407	0	567	0	440	1	552	0	176	5	652
	June	12	843	2	908	1	802	0	732	0	765	0	560	1	754	3	720	0	623	0	407	0	567	0	440	1	553	0	176	1	653
1882 -	April	82	295	71	295	34	247	29	295	39	265	16	206	38	263	50	172	27	155	10	109	35	147	19	75	28	132	0	40	33	198
	May	16	311	18	313	5	252	7	302	10	275	0	206	8	271	6	178	0	155	0	109	9	156	3	78	4	136	0	40	6	204
	June	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	204
1883 -	April	29	433	30	456	39	464	46	505	45	491	31	351	38	454	35	336	32	373	21	248	42	364	33	259	33	317	1	117	36	387
	May	36	463	21	477	27	491	13	518	19	510	8	359	18	472	20	356	15	388	10	258	12	376	5	264	12	329	0	117	15	402
	June	0	463	0	477	0	491	0																							

TABLE IV.—SHOWING THE AMOUNT OF BRIGHT SUNSHINE FOR EACH MONTH AND FROM THE COMMENCEMENT OF THE YEAR, DURING THE SECOND QUARTER OF EACH OF THE FIVE YEARS, 1880 TO 1884.

		Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.	Means for the British Islands generally.					
		0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.		9. Ireland, N.		10. Ireland, S.				Means for the Grazing, &c. Districts.				
		Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.			Monthly.	Sums.			
Number of Hours of Bright Sunshine.																																
Years and Months.		Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.			
1880	April	134	—	111	—	117	—	123	—	150	—	120	—	124	—	140	—	129	—	162	—	151	—	160	—	148	—	164	—	136	—	
	May	173	—	169	—	173	—	193	—	185	—	183	—	181	—	205	—	233	—	245	—	204	—	215	—	220	—	243	—	201	—	
	June	271	—	239	—	186	—	188	—	177	—	183	—	195	—	238	—	187	—	214	—	231	—	214	—	217	—	213	—	206	—	
1881	April	169	343	110	381	117	330	150	422	127	384	105	350	122	373	144	380	132	378	114	438	133	390	126	433	130	404	118	437	126	389	
	May	181	524	243	624	247	577	231	653	212	596	210	560	229	602	242	622	235	613	260	698	218	608	247	680	240	644	247	684	235	624	
	June	187	711	206	830	185	762	255	908	211	807	251	811	222	824	199	821	217	830	275	973	167	775	181	861	208	852	322	1006	215	839	
1882	April	127	296	116	410	132	362	159	403	151	362	159	398	143	386	140	294	131	290	174	416	143	370	157	391	149	351	209	533	146	370	
	May	248	544	228	638	232	594	238	641	221	583	220	618	228	614	240	534	246	536	223	639	248	618	249	640	241	592	248	781	235	605	
	June	202	746	222	860	210	804	211	852	189	772	195	813	205	819	226	760	209	745	247	886	202	820	226	866	222	814	237	1018	214	819	
1883	April	151	396	148	422	116	382	148	460	134	425	153	460	140	430	130	379	138	406	188	512	167	409	184	466	161	434	210	585	151	433	
	May	112	508	147	569	187	569	188	648	141	566	179	639	168	598	180	559	196	602	159	671	163	572	193	659	178	612	217	822	173	606	
	June	222	730	230	799	167	736	264	912	227	793	243	882	226	824	211	770	216	818	234	905	181	753	199	858	208	820	296	1098	217	823	
1884	April	119	295	139	329	112	262	125	331	99	278	101	297	113	299	123	265	123	257	145	318	140	284	155	322	137	289	157	462	125	295	
	May	154	449	153	482	191	453	216	547	194	472	185	482	188	487	146	411	176	433	181	499	114	398	149	471	153	442	231	693	171	466	
	June	180	629	181	663	186	639	234	781	183	655	197	679	196	683	203	614	215	648	255	754	153	551	184	655	202	644	311	1004	199	665	
Means for 4 Years 1881-1884		April	139	332	126	385	119	333	146	403	128	362	130	376	130	372	134	329	131	333	151	420	146	364	155	403	144	370	174	506	137	371
		May	174	506	193	578	214	547	218	621	192	554	199	575	203	575	202	531	213	546	206	626	186	550	209	612	203	573	236	742	203	574
		June	198	704	212	790	187	734	241	862	202	756	221	796	212	787	210	741	214	760	253	879	176	726	198	810	210	783	292	1034	211	785
Percentage of Possible Duration.																																
Years and Months.		Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	
1880	April	34	—	29	—	30	—	32	—	40	—	32	—	33	—	36	—	36	—	43	—	40	—	42	—	39	—	44	—	36	—	—
	May	38	—	33	—	40	—	45	—	44	—	43	—	42	—	47	—	54	—	58	—	48	—	50	—	51	—	58	—	47	—	—
	June	44	—	40	—	32	—	33	—	31	—	32	—	34	—	40	—	32	—	38	—	40	—	38	—	38	—	38	—	36	—	—
1881	April	40	24	27	28	30	24	39	30	33	28	27	25	31	27	37	28	34	28	29	33	34	29	30	32	33	30	32	34	32	29	
	May	39	27	48	32	55	30	53	35	49	32	49	30	51	32	54	33	53	33	61	38	49	32	57	37	55	35	59	38	43	34	
	June	30	28	34	32	32	30	44	36	36	33	44	32	38	33	33	33	37	34	49	40	28	32	31	36	36	35	58	42	37	34	
1882	April	32	21	29	32	34	26	41	28	39	28	42	28	37	28	36	21	34	21	45	30	37	27	41	28	39	25	55	39	38	27	
	May	55	27	50	36	52	31	55	33	51	32	51	32	52	33	54	28	56	27	52	34	56	32	57	34	55	31	59	42	54	32	
	June	32	28	37	36	35	32	37	34	33	32	35	33	35	33	38	30	26	29	43	36	35	33	39	35	38	33	42	42	37	33	
1883	April	38	31	37	31	30	28	39	35	36	32	40	34	36	32	34	28	36	30	49	37	43	31	48	34	42	32	55	43	39	32	
	May	25	30	32	31	43	31	43	36	32	32	41	35	38	33	40	30	45	33	37	37	37	32	45	36	41	34	51	45	40	34	
	June	36	31	38	33	28	31	46	39	39	34	43	37	39	35	36	31	37	34	41	38	31	32	35	36	36	34	53	46	37	35	
1884	April	31	22	32	25	29	19	33	25	26	21	27	22	29	22	32	19	32	18	38	22	36	21	41	23	36	21	41	34	32	27	
	May	34	24	34	27	43	24	50	29	45	25	43	26	43	26	33	22	40	22	42	26	26	22	34	25	35	23	55	38	89	25	
	June	29	25	32	28	32	25	41	32	32	27	35	28	34	28	34	24	37	25	45	30	26	23	32	27	35	28	56	41	35	28	
Means for 4 Years 1881-1884		April	35	25	31	29	31	24	38	30	33	27	34	27	33	27	35	24	34	24	40	31	37	27	40	29	37	27	46	38	35	27
		May	38	27	41	32	48	29	50	33	44	30	46	31	46	31	45	28	49	29	48	34	42	30	48	33	46	31	56	41	46	31
		June	32	28	35	32	32	30	42	35	35	32	39	33	37	32	35	38	37	31	45	36	30	30	34	34	36	33	52	43	37	35

NOTE.—The Sunshine Recorders were not in operation until 1st April 1880.

EXPLANATION OF TABLES.

TABLE I. is merely an amplification of the Table which has hitherto constituted the Quarterly Summary of the Weekly Weather Report. The whole of the values for 1878-84, however, have been corrected for information received since they were first published.

TABLES II. to IV. In these Tables the monthly values for April are those for the fourteenth to the seventeenth weeks in the year; those for May for the eighteenth to the twenty-first weeks; those for June are for the twenty-second to the twenty-sixth weeks. The Weekly values will be published as Appendix II. subsequently.

The figures given in the columns headed "Sums" and "Means" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0 are not included.

In the "Means for the Grazing, &c. Districts" the values for the "Channel Islands" are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1884.

VOL. I. APPENDIX I.]
New Series.

THIRD QUARTER—JULY TO SEPTEMBER.

[Price 4d.]

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE THIRD QUARTER OF THE NINETEEN YEARS, 1866 TO 1884.

YEARS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.			
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.					MEANS FOR THE GRAZING, DISTRICTS.	
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.				Days.	Inches.
1866	—	11·8	—	10·6	—	9·3	—	7·9	—	11·7	—	9·7	—	9·8	—	15·1	—	16·1	—	15·2	—	12·0	—	8·9	—	—	13·4	—	11·6
1867	—	10·0	—	10·1	—	7·1	—	7·1	—	7·4	—	8·6	—	8·1	—	12·9	—	10·4	—	8·7	—	11·8	—	8·8	—	—	10·5	—	9·3
1868	—	9·7	—	10·4	—	6·0	—	4·2	—	7·1	—	7·2	—	7·0	—	9·1	—	6·7	—	9·5	—	8·1	—	11·0	—	—	8·9	—	8·0
1869	—	12·8	—	7·0	—	5·8	—	5·6	—	6·4	—	6·0	—	6·2	—	10·4	—	11·5	—	9·3	—	9·4	—	8·5	—	—	9·9	—	8·1
1870	—	8·6	—	5·8	—	5·5	—	5·8	—	4·5	—	4·8	—	4·9	—	6·8	—	5·0	—	7·0	—	7·6	—	5·7	—	—	6·4	—	5·7
1871	—	13·0	—	8·7	—	9·7	—	7·5	—	10·8	—	10·3	—	9·4	—	11·1	—	11·8	—	14·2	—	11·1	—	10·5	—	—	11·5	—	10·5
1872	—	12·1	—	12·5	—	10·4	—	9·8	—	9·4	—	6·6	—	9·7	—	16·1	—	15·8	—	13·1	—	14·7	—	11·2	—	—	14·2	—	12·0
1873	—	13·7	—	11·8	—	7·2	—	6·4	—	6·8	—	7·3	—	7·9	—	15·7	—	11·8	—	14·0	—	14·2	—	11·6	—	—	13·5	—	10·7
1874	—	15·5	—	11·6	—	5·8	—	5·1	—	7·1	—	6·3	—	7·2	—	13·4	—	12·6	—	13·8	—	11·8	—	10·1	—	—	12·3	—	9·8
1875	—	11·2	—	8·9	—	9·1	—	8·6	—	11·5	—	9·4	—	9·5	—	11·2	—	12·7	—	15·3	—	9·2	—	10·6	—	—	11·8	—	10·7
Means for 10 years, 1866-75	—	11·8	—	9·7	—	7·4	—	6·8	—	8·3	—	7·6	—	8·0	—	12·1	—	11·4	—	12·1	—	11·0	—	9·7	—	—	11·3	—	9·7
1876	—	8·9	—	7·4	—	8·0	—	8·1	—	9·0	—	7·9	—	8·1	—	10·3	—	11·2	—	13·8	—	10·0	—	9·6	—	—	11·0	—	9·6
1877	—	10·8	—	11·3	—	10·1	—	8·1	—	10·4	—	7·6	—	9·5	—	12·6	—	15·4	—	14·5	—	12·0	—	10·4	—	—	13·0	—	11·3
1878	—	8·0	—	8·0	—	4·6	—	6·9	—	4·3	—	9·1	—	7·5	—	10·5	—	10·8	—	9·2	—	8·1	—	10·5	—	—	9·8	—	8·9
1879	—	9·8	—	9·9	—	9·0	—	12·1	—	5·4	—	10·8	—	11·2	—	64	—	15·8	—	62	—	15·5	—	64	—	—	14·1	—	12·4
1880	—	7·5	—	7·7	—	10·5	—	10·0	—	11·2	—	9·4	—	9·8	—	46	—	9·4	—	46	—	10·0	—	47	—	—	7·7	—	9·7
1881	—	6·5	—	9·1	—	10·3	—	8·5	—	4·7	—	8·2	—	49	—	55	—	10·4	—	50	—	11·0	—	49	—	—	9·4	—	9·4
1882	—	8·2	—	8·0	—	6·9	—	4·8	—	7·0	—	5·5	—	7·4	—	57	—	12·3	—	55	—	11·5	—	59	—	—	11·9	—	9·7
1883	—	8·5	—	10·1	—	8·3	—	5·2	—	8·1	—	6·7	—	8·4	—	54	—	12·2	—	51	—	9·8	—	57	—	—	11·3	—	9·9
1884	—	7·8	—	6·3	—	5·3	—	7·4	—	6·2	—	5·9	—	6·2	—	55	—	12·3	—	48	—	9·0	—	52	—	—	9·4	—	7·8
Means for 19 years, 1866-84	—	10·2	—	9·2	—	7·9	—	7·6	—	8·7	—	7·8	—	8·3	—	11·9	—	11·4	—	11·6	—	10·9	—	10·1	—	—	11·2	—	9·8
1866	—	53·2	—	55·4	—	55·4	—	57·6	—	56·8	—	58·1	—	56·7	—	56·2	—	58·8	—	58·4	—	56·0	—	57·2	—	—	56·9	—	56·8
1867	—	53·7	—	56·0	—	55·9	—	58·8	—	58·5	—	59·2	—	57·7	—	57·2	—	58·2	—	58·5	—	59·4	—	58·7	—	—	58·7	—	58·2
1868	—	55·0	—	58·5	—	58·8	—	62·5	—	62·4	—	60·9	—	60·9	—	59·5	—	61·2	—	63·6	—	59·1	—	60·8	—	—	60·8	—	60·9
1869	—	54·5	—	57·4	—	57·6	—	60·2	—	60·5	—	60·3	—	59·2	—	58·2	—	59·1	—	61·4	—	59·5	—	59·8	—	—	59·6	—	59·4
1870	—	55·6	—	58·1	—	57·2	—	59·6	—	60·5	—	60·3	—	59·1	—	58·5	—	59·5	—	61·7	—	59·6	—	60·3	—	—	59·9	—	59·5
1871	—	55·1	—	57·4	—	57·5	—	59·9	—	59·5	—	60·1	—	58·9	—	57·3	—	58·3	—	60·6	—	57·2	—	58·0	—	—	58·3	—	58·6
1872	—	54·0	—	55·9	—	57·1	—	59·7	—	60·1	—	60·3	—	58·6	—	57·7	—	59·1	—	60·7	—	57·9	—	59·3	—	—	58·9	—	58·8
1873	—	54·1	—	56·4	—	57·3	—	59·1	—	58·7	—	59·4	—	58·2	—	57·4	—	57·8	—	59·5	—	56·6	—	57·9	—	—	57·8	—	58·0
1874	—	54·4	—	56·7	—	57·9	—	60·2	—	60·3	—	60·2	—	59·1	—	57·8	—	58·8	—	60·6	—	56·9	—	59·0	—	—	58·6	—	58·9
1875	—	54·8	—	57·0	—	57·8	—	59·7	—	59·6	—	60·2	—	58·9	—	58·4	—	58·7	—	60·6	—	57·5	—	60·0	—	—	59·0	—	59·0
Means for 10 years, 1866-75	—	54·4	—	56·9	—	57·3	—	59·7	—	59·7	—	60·1	—	58·7	—	57·8	—	58·8	—	60·7	—	57·9	—	59·2	—	—	58·9	—	58·8
1876	—	54·3	—	56·3	—	57·7	—	60·4	—	60·7	—	61·1	—	59·2	—	57·6	—	58·8	—	61·0	—	56·6	—	59·4	—	—	58·7	—	59·0
1877	—	52·7	—	55·0	—	55·5	—	57·9	—	57·7	—	58·2	—	56·9	—	55·3	—	56·0	—	58·3	—	55·1	—	57·3	—	—	56·4	—	56·7
1878	—	55·2	—	58·5	—	59·1	—	60·4	—	60·2	—	61·6	—	60·0	—	59·2	—	59·5	—	61·3	—	58·8	—	60·7	—	—	59·9	—	60·0
1879	—	52·4	—	54·2	—	56·2	—	58·1	—	57·8	—	58·7	—	57·0	—	55·2	—	56·2	—	57·5	—	54·8	—	57·5	—	—	56·2	—	56·6
1880	—	55·9	—	57·8	—	59·5	—	61·1	—	60·1	—	62·1	—	60·1	—	58·6	—	59·8	—	61·5	—	58·8	—	60·1	—	—	59·7	—	59·9
1881	—	52·1	—	56·8	—	56·8	—	58·6	—	57·7	—	59·4	—	57·9	—	54·8	—	56·4	—	57·5	—	55·8	—	56·4	—	—	56·2	—	57·1
1882	—	54·2	—	56·6	—	57·7	—	58·2	—	57·1	—	58·8	—	57·7	—	56·0	—	56·8	—	57·4	—	55·9	—	56·2	—	—	56·5	—	57·1
1883	—	52·9	—	55·8	—	56·9	—	58·5	—	57·7	—	59·5	—	57·7	—	55·9	—	57·2	—	57·5	—	55·8	—	56·9	—	—	56·7	—	57·2
1884	—	54·5	—	57·5	—	59·1	—	61·8	—	60·7	—	62·4	—	60·3	—	58·2	—	59·6	—	60·5	—	57·9	—	59·0	—	—	61·7	—	59·7
Means for 19 years, 1866-84	—	54·1	—	56·7	—	57·5	—	59·6	—	59·3	—	60·1	—	58·6	—	57·3	—	58·3	—	60·0	—	57·3	—	58·7	—	—	58·3	—	58·5

TABLE IA.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE NINETEEN YEARS, 1866 TO 1884.

		Wheat Districts.		Grazing, &c. Districts.		Generally.	
Rainfall	{ Driest	—	—	—	—	—	—
	{ Wettest	—	—	—	—	—	—
Temperature	{ Coldest	—	—	—	—	—	—
	{ Warmest	—	—	—	—	—	—
		Ins.	4·9 in 1870	Ins.	6·4 in 1870	Ins.	5·7 in 1870
			10·6 in 1879		14·2 in 1872		12·4 in 1879
			56·7 in 1866		56·2 in 1879 and 1881		56·6 in 1879
			60·9 in 1868		60·8 in 1868		60·9 in 1868

TABLE II.—SHOWING THE AMOUNT OF RAINFALL IN EACH MONTH, AND THE PROGRESSIVE AMOUNTS, FROM THE COMMENCEMENT OF THE YEAR, DURING THE THIRD QUARTER OF EACH OF THE SEVEN YEARS, 1878 TO 1884.

YEARS AND MONTHS.		Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														Channel Islands.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.							
		Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.						
NUMBERS OF DAYS WITH RAIN.																																	
1878	July	14	126	8	86	10	99	8	114	8	107	8	101	8	101	8	103	8	107	11	110	11	120	9	123	9	112	14	131	9	108		
	Aug.	12	138	17	103	17	116	18	132	16	123	17	118	17	118	13	116	16	123	16	126	18	138	19	142	16	128	18	149	17	125		
	Sept.	25	163	22	125	19	135	22	154	19	142	15	133	19	137	26	142	24	147	17	143	26	164	23	165	23	151	20	169	21	146		
1879	July	17	117	18	120	18	130	21	143	19	131	19	128	19	130	21	119	21	119	19	134	22	140	20	138	21	130	18	145	20	130		
	Aug.	17	134	19	139	17	147	18	161	15	146	18	146	17	147	17	136	18	137	21	155	19	159	20	158	19	149	22	167	18	148		
	Sept.	25	159	18	157	18	165	22	183	20	166	19	165	19	166	26	162	23	160	21	176	27	186	24	182	24	173	23	190	22	170		
1880	July	10	105	17	101	17	95	20	108	19	102	16	97	18	100	15	110	18	98	15	100	20	122	19	115	17	109	15	114	17	104		
	Aug.	12	117	13	114	12	107	12	120	10	112	10	107	12	112	10	120	10	108	13	113	14	136	12	127	12	121	17	131	12	116		
	Sept.	18	135	16	130	17	124	14	134	15	127	17	124	16	128	21	141	18	126	19	132	20	156	18	145	19	140	23	154	17	133		
1881	July	21	130	16	107	13	105	12	94	13	92	13	85	13	96	19	114	15	101	16	103	20	126	16	108	17	110	14	106	15	105		
	Aug.	15	145	18	125	17	122	18	112	18	110	17	102	18	114	21	135	21	122	18	121	22	148	23	131	21	131	21	127	19	124		
	Sept.	13	158	16	141	21	143	21	133	16	126	17	119	18	132	15	150	14	136	15	136	21	169	16	147	16	147	16	143	17	141		
1882	July	18	141	20	119	22	101	18	98	23	107	19	100	20	104	21	134	21	121	21	125	25	148	25	141	23	135	19	116	22	130		
	Aug.	16	157	15	134	14	115	12	110	13	120	11	111	13	117	15	149	15	136	15	140	17	165	13	154	15	150	15	131	14	134		
	Sept.	26	183	22	156	20	135	18	128	19	139	19	130	20	137	21	170	19	155	21	161	23	188	21	175	21	171	25	156	21	155		
1883	July	18	131	19	111	17	109	20	107	18	106	17	102	18	107	15	116	17	106	21	118	20	135	21	122	19	120	21	126	18	114		
	Aug.	19	150	13	124	11	120	12	119	12	118	11	113	12	119	18	134	13	119	14	132	17	152	14	136	15	135	13	139	14	128		
	Sept.	22	172	25	149	23	143	20	139	20	138	21	134	22	141	21	155	21	140	23	155	24	176	22	158	22	157	28	167	22	150		
1884	July	15	129	21	112	17	100	17	92	19	98	18	97	18	99	22	130	21	110	23	117	21	133	20	125	21	123	21	122	20	113		
	Aug.	15	144	9	121	5	105	6	98	5	103	5	102	6	105	13	143	6	116	6	123	16	149	8	133	10	133	7	129	8	121		
	Sept.	23	167	18	139	13	118	15	113	16	119	21	123	17	122	20	163	21	137	23	146	22	171	20	153	21	154	24	153	19	140		
MEANS FOR 7 YEARS, 1878-1884.		July	16	127	17	108	16	104	16	107	17	106	16	102	16	104	17	118	17	109	18	116	20	132	19	125	18	121	17	122	17	113	
		Aug.	15	142	15	123	13	117	14	121	13	119	13	115	14	118	15	133	14	123	15	131	17	149	16	141	15	136	16	138	15	128	
		Sept.	22	164	20	143	19	136	19	140	18	137	18	133	19	137	21	154	20	143	20	151	23	172	21	162	21	157	23	161	20	148	
RAINFALL IN INCHES.																																	
1878	July	2.29	15.31	0.55	11.04	0.77	13.25	0.95	13.67	1.53	14.62	0.88	14.32	0.94	13.39	1.12	20.86	0.87	16.31	1.76	19.46	1.10	18.47	1.69	23.33	1.31	19.69	1.61	18.27	1.13	16.55		
	Aug.	1.12	16.43	3.10	14.14	4.40	17.65	3.27	16.94	5.10	19.72	4.15	18.47	4.00	17.39	2.94	23.80	4.24	20.55	3.78	23.24	2.41	20.88	4.85	28.18	3.64	23.33	2.87	21.14	3.82	20.37		
	Sept.	4.61	21.04	4.37	18.51	3.26	20.91	2.66	19.60	2.51	22.23	2.45	20.92	3.05	20.44	6.39	30.19	5.73	26.28	3.70	26.94	4.61	25.49	3.97	32.15	4.88	28.21	4.00	25.14	3.97	24.34		
1879	July	2.13	12.05	3.30	18.55	3.49	16.92	3.89	20.15	2.74	18.89	3.09	21.54	3.30	19.21	4.19	22.64	3.81	18.83	2.99	25.49	5.37	22.02	3.79	26.57	4.03	23.12	1.88	22.60	3.67	21.18		
	Aug.	3.81	15.86	3.79	22.34	2.77	19.69	4.66	24.81	4.12	23.01	4.44	25.08	3.96	23.17	4.74	27.38	5.72	24.55	4.88	30.37	3.36	25.38	3.54	30.11	4.45	27.57	3.72	26.32	4.21	25.39		
	Sept.	3.83	19.69	2.77	25.11	2.69	22.38	3.57	28.38	3.98	26.99	3.67	29.65	3.34	26.51	6.83	34.21	4.35	28.90	5.06	35.43	6.79	32.17	5.07	35.18	5.62	33.19	4.69	31.01	4.48	29.87		
1880	July	1.06	13.30	3.44	13.83	3.89	13.71	4.07	13.71	5.30	16.80	3.08	13.22	3.96	14.26	3.23	21.47	4.48	17.37	3.06	15.38	4.26	20.28	4.73	22.40	3.95	19.38	2.24	12.78	3.96	16.84		
	Aug.	2.74	16.04	1.74	15.57	1.81	15.52	2.06	15.77	2.00	18.80	1.77	14.99	1.88	16.14	2.12	23.59	2.67	20.04	1.40	16.78	2.51	22.79	2.60	25.00	2.26	21.64	1.20	13.98	2.07	18.91		
	Sept.	3.73	19.77	2.50	18.07	4.83	20.35	3.86	19.63	3.92	22.72	4.50	19.49	3.92	20.06	4.69	27.68	2.81	23.85	3.23	20.01	3.05	25.84	3.49	28.49	3.33	24.97	4.57	18.55	3.63	22.54		
1881	July	2.94	19.07	3.52	16.51	2.39	13.16	1.52	11.55	1.78	12.51	1.90	12.77	2.22	13.29	3.00	21.79	3.74	20.95	2.69	18.47	2.16	18.40	2.23	19.29	2.76	19.77	1.97	15.51	2.49	16.55		
	Aug.	2.18	21.25	3.30	19.81	4.20	17.36	4.21	15.76	4.71	17.22	4.09	16.86	4.10	17.39	4.75	26.54	5.14	26.09	4.10	22.57	3.49	21.89	5.19	24.48	4.53	24.30	3.53	19.04	4.32	20.87		
	Sept.	1.40	22.65	2.30	22.11	3.70	21.06	2.73	18.49	1.85	19.07	2.24	19.10	2.56	19.95	2.68	29.22	2.12	28.21	2.56	25.13	2.90	24.79	2.91	27.39	2.63	26.93	2.27	21.31	2.60	23.47		
1882	July	2.54	20.32	2.88	15.46	2.62	14.98	2.46	14.72	3.42	18.85	2.38	13.93	2.75	15.59	4.96	27.29	5.24	23.64	4.79	22.14	4.33	21.96	4.96	24.98	4.86	24.01	3.58	15.97	3.81	19.81		
	Aug.	2.24	22.56	1.51	16.97	2.47	17.45	1.75	16.47	1.81	20.66	1.32	15.25	1.78	17.37	3.13	30.42	3.13	26.77	2.80	24.94	2.74	24.70	2.21	27.19	2.80	26.81	1.22	17.19	2.29	22.10		
	Sept.	3.40	25.96	3.62	20.59	1.81	19.26	2.74	19.21	2.85	23.51	3.54	18.79	2.91	20.28	4.18	34.60	3.14	29.91	5.05	30.59	4.38	29.08	3.89	31.08	4.25	31.06	3.32	20.51	3.58	25.68		
1883	July	2.04	16.65	4.29	14.61	3.07	14.																										

TABLE III.—SHOWING THE ACCUMULATED TEMPERATURE (ABOVE AND BELOW 42° F.), FOR EACH MONTH AND FROM THE COMMENCEMENT OF THE YEAR, DURING THE THIRD QUARTER OF EACH OF THE SEVEN YEARS, 1878 TO 1884.

YEARS AND MONTHS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.				MEANS FOR GRAZING, &c. DISTRICTS.				
	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.			Monthly.	Sums.			
DAY-DEGREES ABOVE 42° FAHRENHEIT.																															
1878 -	July	384	1176	496	1452	521	1585	536	1812	500	1918	589	1983	540	1750	515	1760	527	1754	501	2040	492	1672	564	1995	538	1843	579	2132	539	1797
	Aug.	393	1569	446	1898	497	2082	559	2371	538	2456	580	2563	524	2274	505	2265	518	2272	509	2609	503	2175	544	2539	528	2371	584	2716	526	2323
	Sept.	305	1964	463	2361	492	2574	518	2889	508	2964	567	3130	510	2784	498	2763	510	2782	581	3190	502	2677	553	3092	529	2900	644	3360	520	2843
1879 -	July	279	709	347	940	375	1064	414	1254	432	1301	434	1323	400	1177	365	1090	381	1113	422	1410	359	1094	400	1334	385	1209	410	1420	393	1192
	Aug.	343	1052	403	1343	450	1514	522	1776	501	1802	524	1847	480	1657	417	1507	452	1565	491	1901	404	1498	438	1772	440	1649	500	1938	460	1652
	Sept.	297	1349	371	1714	411	1925	473	2249	453	2355	515	2362	445	2102	381	1888	429	1994	509	2410	371	1869	441	2213	426	2075	559	2497	436	2088
1880 -	July	347	1026	421	1340	454	1346	518	1611	489	1595	527	1706	482	1520	442	1417	464	1475	512	1762	429	1507	475	1696	464	1571	513	1730	473	1546
	Aug.	407	1433	470	1810	486	1832	526	2137	521	2116	579	2285	516	2036	490	1907	512	1987	569	2331	516	2023	536	2232	525	2096	567	2297	521	2067
	Sept.	468	1901	508	2318	582	2414	635	2772	618	2734	685	2970	606	2642	541	2448	604	2591	644	2975	547	2570	609	2841	589	2685	668	2965	598	2665
1881 -	July	314	861	409	1253	498	1367	566	1675	531	1674	581	1790	517	1552	400	1279	451	1418	486	1619	413	1409	450	1631	440	1470	544	1809	479	1514
	Aug.	255	1116	337	1500	398	1765	443	2118	415	2089	466	2256	412	1964	348	1627	400	1818	439	2058	365	1774	398	2029	390	1860	498	2307	401	1915
	Sept.	317	1433	373	1903	401	2166	454	2572	426	2515	486	2742	428	2392	408	2035	427	2245	467	2525	402	2176	430	2459	427	2287	555	2862	428	2343
1882 -	July	385	1172	444	1468	467	1528	489	1760	459	1736	499	1897	472	1678	430	1504	439	1558	440	1716	410	1641	420	1770	430	1637	471	1951	451	1660
	Aug.	372	1544	475	1943	464	1992	485	2245	481	2217	520	2417	485	2163	436	1940	456	2014	486	2202	436	2077	464	2234	456	2093	520	2471	471	2131
	Sept.	317	1861	371	2314	406	2398	436	2681	411	2628	473	2890	419	2582	377	2317	414	2428	435	2637	364	2441	387	2621	395	2488	525	2996	407	2538
1883 -	July	318	938	383	1276	499	1311	446	1539	419	1560	466	1696	426	1477	393	1270	424	1419	421	1567	372	1367	405	1557	403	1435	453	1653	415	1457
	Aug.	361	1299	435	1711	459	1770	490	2029	473	2033	537	2233	479	1956	405	1675	446	1865	460	2027	418	1785	442	1999	434	1869	522	2175	457	1914
	Sept.	316	1615	390	2101	452	2222	521	2550	485	2518	549	2782	479	2435	424	2099	478	2343	505	2532	426	2211	471	2470	461	2330	563	2738	470	2384
1884 -	July	333	962	418	1348	480	1433	550	1709	513	1698	547	1845	502	1607	456	1425	480	1520	493	1703	451	1512	471	1744	470	1581	522	1879	486	1595
	Aug.	408	1370	512	1860	553	1986	634	2343	604	2302	651	2496	591	2198	510	1935	567	2087	580	2283	500	2012	522	2266	536	2117	618	2497	564	2159
	Sept.	359	1729	438	2298	492	2478	568	2911	544	2846	615	3111	531	2729	469	2404	520	2607	579	2802	472	2484	514	2780	511	2628	623	3120	521	2680
MEANS FOR 7 YEARS, 1878-1884 -	July	337	977	418	1297	458	1378	503	1623	486	1640	520	1749	477	1537	429	1392	452	1466	481	1688	419	1458	455	1675	447	1535	499	1798	462	1537
	Aug.	363	1340	440	1737	472	1850	523	2146	505	2145	551	2300	498	2035	444	1836	479	1945	513	2201	449	1907	478	2153	473	2008	545	2343	486	2023
	Sept.	353	1693	416	2153	462	2312	515	2661	492	2637	556	2856	488	2523	443	2279	483	2428	531	2732	441	2348	486	2639	477	2485	591	2934	483	2506
DAY-DEGREES BELOW 42° FAHRENHEIT.																															
1878 -	July	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272
	Aug.	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272
	Sept.	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272
1879 -	July	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
	Aug.	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
	Sept.	0	753	8	870	1	744	0	737	0	771	0	590	2	743	0	678	0	633	0	342	0	545	0	374	0	514	0	163	1	629
1880 -	July	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
	Aug.	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
	Sept.	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
1881 -	July	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
	Aug.	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
	Sept.	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
1882 -	July	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	204
	Aug.	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	204
	Sept.	0	311	0	313	0	252	0	302	9	284	0	206	2	273	0	178	0	155	0	109	0	156	0	78	0	136	0	40	1	205
1883 -	July	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
	Aug.	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117		

TABLE IV.—SHOWING THE AMOUNT OF BRIGHT SUNSHINE FOR EACH MONTH AND FROM THE COMMENCEMENT OF THE YEAR, DURING THE THIRD QUARTER OF EACH OF THE FIVE YEARS, 1880 TO 1884.

		Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.	Means for the British Islands generally.					
		0. SCOTLAND, N.	1. SCOTLAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.	MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.	7. ENGLAND, N.W.	8. ENGLAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	MEANS FOR THE GRAZING, &c. DISTRICTS.																	
NUMBER OF HOURS OF BRIGHT SUNSHINE.																																
Years and Months.		Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.			
1880	July	144	—	145	—	99	—	150	—	142	—	162	—	140	—	138	—	122	—	206	—	120	—	145	—	146	—	221	—	143	—	
	Aug.	101	—	117	—	144	—	134	—	134	—	159	—	138	—	151	—	177	—	205	—	151	—	171	—	171	—	169	—	155	—	
	Sept.	175	—	147	—	189	—	179	—	158	—	153	—	165	—	166	—	155	—	156	—	159	—	163	—	169	—	157	—	163	—	
1881	July	114	825	130	960	172	934	209	1117	189	996	209	1020	182	1006	132	953	147	977	192	1165	119	894	146	1007	147	999	238	1244	165	1004	
	Aug.	122	947	134	1094	116	1050	127	1244	119	1115	147	1167	128	1134	119	1072	97	1074	159	1324	125	1019	118	1125	124	1123	216	1460	126	1130	
	Sept.	107	1054	73	1167	92	1142	127	1371	131	1246	147	1314	114	1248	126	1198	134	1208	214	1538	135	1154	148	1273	151	1274	224	1684	132	1262	
1882	July	143	889	200	1060	189	993	202	1054	156	928	179	992	185	1004	163	923	157	902	187	1073	123	943	142	1008	154	968	204	1222	169	988	
	Aug.	69	958	148	1208	167	1160	154	1208	146	1074	151	1143	153	1157	157	1080	139	1047	175	1248	114	1057	145	1153	146	1114	219	1441	140	1137	
	Sept.	124	1082	126	1334	129	1289	163	1371	149	1223	163	1306	146	1303	143	1223	129	1170	166	1414	135	1192	159	1312	146	1260	205	1646	146	1283	
1883	July	122	852	113	912	141	877	151	1063	124	917	144	1026	135	959	169	939	151	969	157	1062	121	874	123	981	144	964	199	1297	140	963	
	Aug.	79	931	150	1062	156	1033	177	1240	157	1074	184	1210	165	1124	137	1076	151	1120	163	1225	92	966	121	1102	133	1097	240	1537	149	1112	
	Sept.	141	1072	133	1195	118	1151	156	1396	132	1206	143	1353	136	1260	142	1218	136	1256	150	1375	120	1086	145	1247	139	1236	143	1685	138	1250	
1884	July	155	784	133	796	141	780	170	951	136	791	152	831	146	829	150	764	136	784	163	917	142	693	145	800	147	791	150	1154	146	811	
	Aug.	89	873	149	945	177	957	215	1166	210	1001	227	1058	196	1025	148	910	177	961	227	1144	111	804	140	940	160	951	256	1410	178	989	
	Sept.	152	1025	171	1116	129	1086	161	1327	135	1136	146	1204	148	1173	147	1057	143	1104	159	1303	117	921	149	1089	143	1094	199	1609	146	1135	
MEANS FOR THE 4 YEARS, 1881-1884.		July	134	838	144	934	161	895	183	1045	151	907	171	967	162	949	154	895	143	908	175	1054	126	852	139	949	148	931	198	1232	155	940
		Aug.	90	928	145	1079	154	1049	168	1215	168	1065	177	1144	160	1109	140	1035	141	1049	181	1235	111	963	131	1080	141	1072	233	1465	151	1091
		Sept.	131	1059	126	1205	117	1166	152	1365	137	1202	150	1294	136	1245	140	1175	136	1185	172	1407	127	1090	150	1230	145	1217	194	1659	141	1232
PERCENTAGE OF POSSIBLE DURATION.																																
Years and Months.		Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	
1880	July	30	—	31	—	22	—	38	—	32	—	36	—	32	—	29	—	27	—	46	—	26	—	33	—	32	—	51	—	32	—	
	Aug.	23	—	27	—	34	—	32	—	32	—	38	—	33	—	36	—	43	—	50	—	36	—	41	—	41	—	41	—	37	—	
	Sept.	38	—	32	—	41	—	40	—	34	—	34	—	36	—	37	—	34	—	34	—	35	—	36	—	35	—	35	—	36	—	
1881	July	25	27	23	32	38	31	47	38	42	34	48	34	41	34	29	32	32	34	44	41	26	31	33	35	33	35	55	44	37	35	
	Aug.	30	27	32	32	28	31	31	37	29	33	37	35	31	34	29	32	24	32	40	40	31	31	29	34	31	34	54	45	31	34	
	Sept.	23	27	17	30	22	30	29	36	31	33	34	35	27	33	29	31	31	32	49	42	31	31	34	34	35	34	52	46	31	34	
1882	July	30	28	43	37	41	33	46	36	37	33	41	34	42	35	36	30	34	30	43	37	34	33	52	34	36	33	47	43	39	34	
	Aug.	17	27	35	36	41	34	38	36	33	33	37	34	37	35	38	31	34	30	43	38	28	32	36	35	36	33	55	44	37	34	
	Sept.	28	27	28	35	29	33	37	36	34	33	37	35	33	34	32	31	29	30	38	38	31	32	36	35	33	33	47	45	33	33	
1883	July	26	30	24	31	31	31	34	37	27	33	33	36	30	34	37	32	34	34	36	38	27	31	27	35	32	34	46	46	31	34	
	Aug.	18	29	36	32	38	31	43	38	39	34	44	37	40	34	33	32	37	34	40	38	22	30	30	34	32	34	60	48	36	34	
	Sept.	32	29	30	32	27	31	35	38	30	33	33	37	31	34	32	32	31	34	34	38	28	30	33	34	32	34	35	46	32	34	
1884	July	32	26	28	28	31	26	38	32	30	27	34	29	32	28	32	25	30	26	37	31	31	24	32	27	32	27	35	40	32	28	
	Aug.	21	25	35	29	43	28	53	35	51	30	56	32	48	31	35	26	43	28	56	34	27	24	34	28	39	28	64	43	44	30	
	Sept.	35	27	40	30	30	28	37	35	31	30	34	32	34	31	33	27	33	28	37	34	27	24	35	29	33	28	46	43	33	30	
MEANS FOR THE 4 YEARS, 1881-1884.		July	28	28	31	32	35	30	41	36	34	32	39	33	36	33	33	30	33	31	40	37	30	30	31	33	33	32	46	43	35	33
		Aug.	22	27	35	32	38	31	41	37	39	33	44	35	39	34	34	30	35	31	45	35	27	29	32	33	35	32	58	45	37	33
		Sept.	30	28	29	32	27	31	35	36	31	32	35	35	31	33	32	30	31	31	40	38	29	29	35	33	33	32	45	45	32	33

NOTE.—The Sunshine Recorders were not in operation until 1st April 1880.

EXPLANATION OF TABLES.

TABLE I. is merely an amplification of the Table which has hitherto constituted the Quarterly Summary of the Weekly Weather Report. The whole of the values for 1878-84, however, have been corrected for information received since they were first published.

TABLES II. to IV. In these Tables the monthly values for July are those for the twenty-seventh to the thirtieth weeks in the year; those for August are for the thirty-first to the thirty-fourth weeks; those for September are for the thirty-fifth to the thirty-ninth weeks. The Weekly values will be published as Appendix II. subsequently.

The figures given in the columns headed "Sums" and "Means" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0 are not included.

In the "Means for the Grazing, &c. Districts" the values for the "Channel Islands" are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1884.

VOL. I. APPENDIX I.]
New Series.

FOURTH QUARTER—OCTOBER TO DECEMBER.

[Price 4d.]

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FOURTH QUARTER OF THE NINETEEN YEARS, 1866 TO 1884.

YEARS.	O. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. & 9. ENGLAND, S.W.		10. IRELAND, S.				MEANS FOR THE GRAZING, &c. DISTRICTS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.			Days.	Inches.	Days.	Inches.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
1866	—	20.6	—	9.0	—	6.0	—	5.9	—	6.7	—	6.3	—	—	—	—	14.4	—	15.3	—	12.4	—	11.9	—	9.2	—	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—</

TABLE IA.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE NINETEEN YEARS, 1866 TO 1884.

		Wheat Districts.		Grazing, &c. Districts.		Generally.	
Rainfall	{ Driest Wettest	Ins.		Ins.		Ins.	
		3.4 in 1879	13.1 in 1872	5.0 in 1879	16.3 in 1877	4.2 in 1879	15.9 in 1872
Temperature	{ Coldest Warmest	°		°		°	
		40.4 in 1879	55.6 in 1866	42.2 in 1870	47.0 in 1866	41.6 in 1870 and 1878	46.3 in 1866

TABLE II.—SHOWING THE AMOUNT OF RAINFALL IN EACH MONTH, AND THE PROGRESSIVE AMOUNTS, FROM THE COMMENCEMENT OF THE YEAR, DURING THE FOURTH QUARTER OF EACH OF THE SEVEN YEARS, 1878 TO 1884.

YEARS AND MONTHS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										Channel Islands.	MEANS FOR THE BRITISH ISLANDS GENERALLY.									
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, H.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.				
	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.			Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	
NUMBERS OF DAYS WITH RAIN.																															
1878	Oct.	20	183	15	140	16	151	15	169	18	160	13	146	15	152	17	159	20	167	18	161	19	183	18	183	18	169	18	187	16	162
	Nov.	23	205	17	157	21	172	22	191	17	177	16	162	19	171	10	169	15	182	21	182	20	203	13	196	16	185	23	210	18	180
	Dec.	29	235	21	178	23	195	20	211	16	193	19	181	20	191	18	187	20	202	25	207	26	229	22	218	22	207	33	243	21	201
1879	Oct.	16	175	14	171	12	177	15	198	14	180	12	177	13	179	15	177	14	174	14	190	16	202	15	197	15	188	15	205	14	184
	Nov.	21	196	12	183	13	190	14	212	10	190	10	187	12	191	11	188	10	184	7	197	13	215	7	204	9	197	10	215	10	194
	Dec.	21	217	15	198	13	203	15	227	9	199	10	197	12	203	11	199	11	195	10	207	13	228	15	219	12	209	13	228	12	206
1880	Oct.	21	156	13	143	15	139	14	148	13	140	16	140	14	142	8	149	9	135	13	145	7	163	8	153	9	149	15	169	11	144
	Nov.	28	184	20	163	22	161	24	172	18	158	18	158	20	162	23	172	21	156	23	168	25	188	23	176	23	172	27	196	22	166
	Dec.	26	210	21	184	19	180	20	192	18	176	17	175	19	181	26	198	23	179	22	190	28	216	22	198	24	196	27	223	22	188
1881	Oct.	14	172	18	159	18	161	20	153	15	141	14	133	17	149	11	161	12	148	13	149	16	185	15	162	13	160	18	161	15	156
	Nov.	24	196	20	179	16	177	17	170	18	159	19	152	18	167	22	183	19	167	22	171	23	208	23	185	22	182	25	184	20	176
	Dec.	26	222	20	199	20	197	23	193	18	177	19	171	20	187	23	206	23	190	24	195	26	234	24	209	24	206	24	208	22	198
1882	Oct.	18	201	20	176	21	156	20	148	23	162	21	151	21	158	18	188	17	172	21	182	17	205	17	192	18	189	24	180	20	175
	Nov.	25	226	21	197	23	179	23	171	22	184	20	171	22	180	22	210	23	195	25	207	23	228	24	216	23	212	26	206	22	197
	Dec.	28	254	26	223	28	207	26	197	26	210	26	197	26	206	23	233	27	222	28	235	25	253	24	240	25	237	33	239	25	222
1883	Oct.	23	195	15	164	15	158	18	157	18	156	14	148	16	157	21	176	17	157	18	173	21	197	19	177	19	176	20	187	17	167
	Nov.	23	218	16	180	18	176	21	178	18	174	19	167	18	175	21	197	19	176	23	196	22	219	20	197	21	197	23	210	20	187
	Dec.	29	247	17	197	20	196	21	199	16	190	16	183	18	193	24	221	21	197	21	217	28	247	21	218	23	220	20	230	21	208
1884	Oct.	19	186	14	153	11	129	12	125	12	131	10	133	12	134	15	178	15	152	17	163	19	190	15	168	16	170	18	171	14	154
	Nov.	22	208	18	171	13	142	16	141	12	143	10	143	14	148	15	193	14	166	15	178	16	206	15	183	15	185	15	186	15	169
	Dec.	27	235	20	191	20	162	22	163	23	166	22	165	21	160	22	215	22	188	25	203	29	235	24	207	24	209	29	215	22	191
MEANS FOR 7 YEARS 1878-1884	Oct.	19	183	16	159	15	151	16	156	16	153	14	147	15	152	15	169	15	158	16	167	16	188	15	177	15	172	18	179	15	163
	Nov.	24	207	18	177	18	169	20	176	16	169	16	163	18	170	18	187	17	175	19	186	20	208	18	195	18	190	21	200	18	181
	Dec.	27	234	20	197	20	189	21	197	18	187	18	181	19	189	21	208	21	196	22	208	25	233	22	217	22	212	26	226	21	202
RAINFALL IN INCHES.																															
1878	Oct.	3.03	24.07	2.20	20.71	1.60	22.51	2.12	21.72	2.98	25.21	2.79	23.71	2.34	22.78	6.04	36.23	3.64	29.92	3.67	30.61	4.34	29.83	3.57	35.72	4.25	32.46	4.10	29.24	3.30	27.64
	Nov.	3.89	27.96	3.35	24.06	5.32	27.83	4.95	26.67	2.82	28.03	3.03	26.74	3.89	26.67	2.11	38.34	2.69	32.61	4.56	35.17	3.28	33.11	1.75	37.47	2.88	35.34	5.46	34.70	3.39	31.03
	Dec.	4.21	31.17	2.58	26.64	3.46	31.29	2.51	29.18	2.03	30.06	2.50	29.24	2.62	29.29	2.80	41.14	2.79	35.40	5.06	40.23	4.12	37.23	2.77	40.24	3.51	38.85	5.86	40.56	3.07	34.10
1879	Oct.	3.07	22.76	1.41	26.52	0.92	23.30	1.36	29.74	1.20	28.28	1.22	30.87	1.24	27.75	2.78	36.99	2.45	31.35	2.16	37.59	2.31	34.48	1.64	36.82	2.27	35.46	1.64	32.65	1.75	31.62
	Nov.	2.40	25.16	1.71	28.23	1.58	24.88	0.94	30.68	0.82	29.10	0.79	31.66	1.17	28.92	1.83	38.82	1.39	32.74	1.03	38.62	1.20	35.68	0.83	37.65	1.26	36.72	1.64	34.20	1.21	32.83
	Dec.	3.13	28.29	1.71	29.94	1.10	25.98	0.99	31.67	0.64	29.74	0.49	32.15	0.99	29.91	1.89	40.71	1.35	34.09	1.13	39.75	1.41	37.09	1.76	39.41	1.51	38.23	0.52	35.21	1.25	34.08
1880	Oct.	3.36	25.13	2.00	20.07	2.30	22.74	3.14	22.77	2.78	25.50	4.46	23.95	2.95	25.01	1.09	28.77	1.37	24.22	4.42	24.43	0.66	26.50	1.52	30.01	1.81	26.78	7.48	26.03	2.38	24.92
	Nov.	4.12	27.25	2.76	22.83	4.68	27.42	3.78	26.56	4.85	30.35	4.52	28.47	4.12	27.13	6.22	34.99	6.50	30.72	5.99	30.42	5.21	31.71	6.76	36.77	6.14	32.92	4.87	30.90	5.13	30.05
	Dec.	5.11	32.36	3.45	26.28	2.75	30.17	2.45	29.01	3.37	33.72	3.96	32.43	3.20	30.33	4.89	39.88	5.71	36.43	5.99	36.41	3.70	35.41	4.08	40.85	4.87	37.79	5.88	36.78	4.03	34.08
1881	Oct.	2.30	24.95	2.86	24.97	2.65	23.71	2.86	21.35	2.63	21.70	2.35	21.45	2.67	22.62	2.75	31.97	2.80	31.10	2.80	27.93	3.55	28.34	4.05	31.44	3.21	30.14	2.98	24.29	2.94	26.41
	Nov.	3.85	28.80	2.31	27.28	1.91	25.62	2.01	23.36	2.64	24.34	3.46	24.91	2.47	25.09	5.97	37.94	3.82	34.92	4.72	32.65	3.91	32.25	4.53	35.97	4.50	34.73	3.47	27.76	3.53	29.94
	Dec.	5.00	33.80	2.05	29.33	2.62	28.24	3.62	26.98	3.32	27.66	3.73	28.64	3.07	28.16	7.03	44.97	5.17	40.09	6.63	39.28	4.62	36.87	4.77	40.74	5.64	40.37	6.18	33.94	4.36	34.30
1882	Oct.	2.53	28.49	2.37	22.96	3.74	23.00	5.13	24.34	5.00	28.51	6.25	25.04	4.50	24.78	4.30	38.90	3.05	32.96	6.42	37.01	2.43	31.51	4.32	35.40	4.10	35.16	4.94	25.45	4.30	29.98
	Nov.	4.69	33.18	3.32	26.28	2.75	25.75	2.74	27.08	3.49	32.00	3.01	28.05	3.06	27.84	6.98	45.88	5.59	38.55	5.86	42.87	6.03	37.54	5.15	40.55	5.92	41.08	6.03	31.48	4.49	34.47
	Dec.	4.67	37.85	5.67	31.95	4.68	30.43	3.84	30.92	4.47	36.47	3.52	31.37	4.40	32.24	5.64	51.52	4.53	43.08	7.53	50.40	4.07	41.61	5.37	45.92	5.					

TABLE III.—SHOWING THE ACCUMULATED TEMPERATURE (ABOVE AND BELOW 42° F.), FOR EACH MONTH AND FROM THE COMMENCEMENT OF THE YEAR, DURING THE FOURTH QUARTER OF EACH OF THE SEVEN YEARS, 1878 TO 1884.

YEARS AND MONTHS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.						MEANS FOR GRAZING, &c. DISTRICTS.			
	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.		
DAY-DEGREES ABOVE 42° FAHRENHEIT.																																
1878	-	Oct.	236	2200	239	2600	267	2841	290	3179	275	3239	322	3452	278	3062	289	3052	270	3052	337	3527	282	2959	330	3422	302	3202	393	3753	290	3133
		Nov.	23	2223	22	2622	21	2862	33	3212	29	3268	30	3491	29	3091	46	3098	33	3085	79	3606	45	3004	74	3496	55	3257	114	3867	42	3175
		Dec.	0	2223	0	2622	0	2862	0	3212	0	3268	7	3498	1	3092	0	3098	0	3085	3	3607	3	3007	10	3506	9	3266	61	3928	5	3180
1879	-	Oct.	140	1489	176	1890	190	2115	195	2444	196	2450	243	2605	200	2302	182	2070	194	2188	298	2708	175	2044	232	2445	216	2291	351	2848	208	2296
		Nov.	69	1558	76	1966	67	2182	59	2503	61	2511	64	2669	65	2367	94	2164	76	2264	135	2843	106	2150	132	2577	109	2400	155	3003	87	2383
		Dec.	31	1589	13	1979	5	2187	0	2503	3	2514	1	2670	4	2371	31	2195	12	2276	33	2876	33	2183	54	2631	33	2433	33	3036	19	2402
1880	-	Oct.	121	2022	150	2468	171	2585	188	2960	165	2899	230	3200	181	2823	156	2604	179	2770	260	3235	161	2731	187	3028	188	2873	302	3267	185	2850
		Nov.	47	2069	75	2543	94	2679	117	3077	106	3005	130	3330	104	2927	93	2697	91	2861	179	3414	107	2838	138	3166	122	2995	227	3494	113	2963
		Dec.	39	2108	60	2603	62	2741	74	3151	81	3086	112	3442	78	3005	64	2761	82	2943	185	3599	75	2913	164	3330	114	3109	229	3723	96	3059
1881	-	Oct.	115	1548	111	2074	111	2277	119	2691	120	2635	139	2881	120	2512	131	2166	124	2369	192	2717	145	2321	202	2661	159	2446	251	3113	139	2482
		Nov.	112	1660	144	2218	163	2440	175	2866	181	2816	209	3090	174	2686	158	2324	184	2553	257	2974	182	2503	251	2912	206	2652	297	3410	190	2672
		Dec.	43	1703	55	2273	41	2481	54	2900	42	2858	69	3159	48	2734	56	2380	60	2613	122	3096	65	2568	96	3008	80	2732	134	3544	64	2736
1882	-	Oct.	202	2063	200	2514	218	2616	235	2916	205	2833	266	3156	225	2807	217	2534	225	2653	250	2887	213	2654	235	2854	228	2716	332	3328	227	2765
		Nov.	41	2104	38	2552	71	2687	96	3012	91	2924	134	3290	86	2893	73	2607	97	2750	143	3030	80	2734	115	2969	102	2818	209	3537	94	2859
		Dec.	1	2105	9	2561	27	2714	42	3054	53	2977	102	3392	47	2940	31	2638	44	2794	119	3149	40	2783	92	3061	67	2885	152	3689	57	2916
1883	-	Oct.	133	1748	175	2276	192	2414	231	2781	215	2733	256	3038	214	2649	182	2281	212	2555	262	2794	192	2403	233	2703	216	2546	321	3059	215	2599
		Nov.	52	1800	51	2327	63	2477	93	2874	81	2814	124	3162	82	2731	73	2354	81	2636	152	2946	82	2485	140	2843	106	2652	212	3271	94	2693
		Dec.	51	1851	57	2384	63	2540	52	2926	74	2888	71	3233	63	2794	83	2437	86	2722	110	3056	113	2598	141	2984	107	2759	157	3428	85	2778
1884	-	Oct.	158	1887	194	2492	196	2674	205	3116	198	3044	237	3348	206	2935	208	2612	211	2818	245	3107	205	2689	233	3013	220	2848	324	3444	213	2893
		Nov.	79	1966	85	2577	100	2774	100	3216	101	3145	133	3481	104	3039	96	2708	116	2934	146	3253	105	2794	124	3137	117	2965	199	3643	111	3004
		Dec.	81	1984	30	2607	50	2824	64	3280	61	3206	84	3565	58	3097	47	2755	57	2991	96	3349	58	2852	89	3226	69	3034	135	3798	64	3068
MEANS FOR 7 YEARS, 1878-1884.	-	Oct.	158	1851	178	2331	192	2504	209	2870	196	2833	242	3098	203	2726	195	2474	202	2630	263	2995	196	2544	236	2875	218	2703	325	3259	211	2717
		Nov.	69	1911	70	2401	83	2587	96	2966	93	2926	119	3217	92	2818	90	2564	97	2727	156	3151	101	2645	139	3014	117	2820	202	3461	104	2821
		Dec.	26	1937	32	2433	35	2622	38	3004	45	2971	64	3281	43	2861	45	2609	49	2776	99	3250	57	2702	92	3106	68	2888	132	3593	50	2877
DAY-DEGREES BELOW 42° FAHRENHEIT.																																
1878	-	Oct.	9	441	13	433	9	375	7	350	8	324	0	276	7	352	4	281	1	221	0	148	3	222	0	123	2	200	0	32	5	277
		Nov.	108	549	103	536	119	494	113	463	133	457	102	378	114	466	99	380	89	310	49	197	72	294	87	210	79	279	4	36	97	374
		Dec.	285	834	353	889	373	867	333	796	361	818	275	653	339	805	327	707	288	598	167	364	262	556	264	474	262	541	73	109	300	674
1879	-	Oct.	36	789	34	904	20	764	10	747	9	780	5	695	16	759	14	692	2	635	0	342	2	547	0	374	4	518	0	163	10	639
		Nov.	53	842	71	975	81	845	92	839	89	869	75	670	82	841	45	737	49	684	22	364	20	567	6	380	28	546	1	164	55	694
		Dec.	199	1041	263	1238	322	1167	373	1212	367	1236	320	990	329	1170	212	949	234	918	157	521	205	772	154	534	192	738	101	265	261	955
1880	-	Oct.	54	404	49	467	39	504	31	572	48	560	27	431	39	507	47	339	36	402	12	179	43	329	34	210	34	291	0	100	36	400
		Nov.	160	564	177	644	125	629	110	682	144	704	83	514	128	635	131	470	102	504	39	218	99	428	77	287	90	381	5	105	109	509
		Dec.	209	773	200	844	128	757	108	790	111	815	64	578	122	757	118	588	89	593	7	225	109	537	73	360	79	460	0	105	100	609
1881	-	Oct.	36	879	32	940	36	838	36	768	45	810	32	592	36	790	32	752	22	645	12	419	29	596	11	451	21	574	0	176	29	682
		Nov.	19	898	33	973	23	861	10	778	15	825	0	592	16	806	4	756	6	651	0	419	13	609	6	457	6	580	0	176	11	693
		Dec.	97	995	133	1106	131	992	149	927	162	987	100	692	135	941	98	854	104	755	49	468	137	746	93	550	96	676	10	186	116	809
1882	-	Oct.	17	328	34	347	9	261	13	315	17	301	6	212	16	289	14	192	4	159	5	114	18	174	11	89	10	146	0	40	13	218
		Nov.	96	424	110	457	65	326	70	385	82	383	46	258	75	364	64	256	55	214	32	146	79	253	59	148	58	204	1	41	66	284
		Dec.	204	628	296	753	180	506	163	548	186	569	134	392	192	556	188	444														

TABLE IV.—SHOWING THE AMOUNT OF BRIGHT SUNSHINE FOR EACH MONTH AND FROM THE COMMENCEMENT OF THE YEAR, DURING THE FOURTH QUARTER OF EACH OF THE FIVE YEARS, 1880 TO 1884.

		Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.										Channel Islands.	Means for the British Islands generally.	
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.		6. Scotland, W.	7. England, N.W.	8. England, S.	9. Ireland, N.	10. Ireland, S.	Means for the Grazing, &c. Districts.											
NUMBER OF HOURS OF BRIGHT SUNSHINE.																										
Years and Months.		Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	Monthly.	Sums.	
1880	Oct.	80	—	114	—	91	—	61	—	66	—	71	—	81	—	101	—	77	—	106	—	102	—	102	—	
	Nov.	64	—	98	—	81	—	85	—	76	—	80	—	84	—	74	—	89	—	95	—	76	—	84	—	
	Dec.	17	—	46	—	54	—	47	—	45	—	34	—	45	—	31	—	37	—	26	—	47	—	40	—	
1881	Oct.	104	1158	72	1239	86	1228	94	1465	104	1350	101	1415	91	1339	78	1276	96	1304	111	1649	82	1236	80	1353	
	Nov.	15	1173	47	1286	47	1275	59	1524	58	1408	48	1463	52	1391	37	1313	39	1343	63	1712	69	1305	81	1434	
	Dec.	38	1211	66	1352	56	1331	53	1577	57	1465	45	1508	55	1446	46	1359	24	1367	75	1787	75	1380	66	1500	
1882	Oct.	79	1161	66	1400	57	1346	64	1435	55	1278	66	1372	62	1365	58	1281	57	1227	80	1494	95	1287	101	1413	
	Nov.	45	1206	51	1451	56	1402	74	1509	68	1346	81	1453	66	1431	39	1320	43	1370	65	1559	55	1342	61	1474	
	Dec.	38	1244	30	1481	23	1425	35	1544	32	1378	40	1493	32	1463	34	1354	27	1297	41	1600	34	1376	51	1525	
1883	Oct.	97	1169	121	1316	97	1248	91	1487	87	1293	86	1439	96	1356	93	1311	74	1330	90	1465	75	1161	88	1335	
	Nov.	64	1233	77	1393	64	1312	68	1555	64	1357	62	1501	67	1423	67	1378	59	1389	69	1534	64	1225	73	1408	
	Dec.	26	1258	45	1438	33	1345	36	1591	40	1397	41	1542	39	1462	30	1408	26	1415	47	1581	31	1256	47	1455	
1884	Oct.	52	1077	86	1202	89	1175	94	1421	85	1221	91	1295	89	1262	68	1125	66	1170	89	1392	60	981	82	1171	
	Nov.	54	1131	47	1249	35	1210	54	1475	42	1263	47	1342	45	1309	51	1176	52	1222	42	1434	57	1038	64	1235	
	Dec.	15	1146	31	1280	18	1228	22	1497	23	1286	25	1367	24	1331	29	1205	22	1244	27	1461	23	1061	38	1273	
MEANS FOR 4 YEARS 1881-1884		Oct.	83	1142	86	1291	82	1248	86	1451	83	1285	86	1380	85	1330	74	1249	73	1258	93	1500	78	1168	88	1318
		Nov.	45	1187	56	1347	50	1298	64	1515	58	1343	60	1440	58	1388	49	1298	48	1306	60	1560	61	1229	70	1388
		Dec.	29	1216	43	1390	33	1331	37	1552	38	1381	38	1478	38	1426	35	1333	25	1331	48	1668	41	1270	50	1438
PERCENTAGE OF POSSIBLE DURATION.																										
Years and Months.		Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	Monthly.	Means.	
1880	Oct.	27	—	39	—	30	—	21	—	23	—	24	—	27	—	34	—	26	—	35	—	34	—	37	—	
	Nov.	23	—	32	—	27	—	28	—	24	—	25	—	27	—	25	—	30	—	31	—	25	—	29	—	
	Dec.	7	—	19	—	21	—	17	—	16	—	12	—	17	—	13	—	14	—	10	—	18	—	19	—	
1881	Oct.	37	28	25	29	30	33	36	32	33	35	35	31	33	27	31	33	32	38	41	29	31	28	34		
	Nov.	7	26	21	29	20	29	25	35	24	32	20	33	22	32	16	30	17	31	25	40	29	31	33		
	Dec.	17	25	24	28	22	28	20	33	22	31	17	32	21	30	18	29	9	29	27	39	27	30	28		
1882	Oct.	29	27	24	34	20	32	23	35	20	32	23	33	22	33	21	30	19	29	28	37	34	32	35		
	Nov.	20	27	23	33	24	31	34	29	32	33	33	28	33	17	20	18	28	26	36	23	31	26			
	Dec.	17	26	13	31	9	29	13	32	12	30	14	32	12	31	13	28	10	26	15	34	13	30			
1883	Oct.	34	30	43	33	33	31	31	37	29	33	29	36	33	34	32	32	25	33	30	37	26	29	30		
	Nov.	28	30	34	33	28	31	24	36	26	32	23	35	27	33	28	32	25	32	28	36	27	29			
	Dec.	11	28	19	31	13	29	14	34	14	30	15	33	15	31	12	30	10	30	17	34	13	27			
1884	Oct.	18	26	30	30	30	28	32	35	29	30	31	32	30	31	23	27	22	28	29	34	19	24	27		
	Nov.	24	26	21	29	15	27	22	34	17	29	19	31	19	30	22	26	22	27	17	32	24	24			
	Dec.	6	24	13	28	7	25	8	31	8	27	9	29	9	28	12	25	8	25	10	30	9	22			
MEANS FOR 4 YEARS 1881-1884		Oct.	30	28	31	32	28	30	30	36	27	32	30	34	29	33	26	30	25	31	31	37	27	29		
		Nov.	20	27	25	31	22	30	26	35	24	31	24	33	24	32	21	29	21	30	24	36	26	29		
		Dec.	13	26	17	29	13	28	14	33	14	30	14	32	14	30	14	28	9	28	17	34	15	27		

NOTE.—The Sunshine Recorders were not in operation until 1st April 1880.

EXPLANATION OF TABLES.

TABLE I. is merely an amplification of the Table which has hitherto constituted the Quarterly Summary of the Weekly Weather Report. The whole of the values for 1878-84, however, have been corrected for information received since they were first published.

TABLES II. to IV. In these Tables the monthly values for *October* are those for the fortieth to the forty-third weeks in the year; those for *November* are for the forty-fourth to the forty-seventh weeks; those for *December* are for the forty-eighth to the fifty-second weeks. The *Weekly* values will be published as Appendix II. shortly.

The figures given in the columns headed "Sums" and "Means" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0 are not included.

In the "Means for the Grazing, &c. Districts" the values for the "Channel Islands" are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

SUMMARY OF THE WEEKLY WEATHER REPORT, 1884.

VOL. I. APPENDIX I.
New Series.

VALUES FOR THE WHOLE YEAR 1884.

[Price 4d.]

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE WHOLE YEAR DURING THE NINETEEN YEARS, 1866 TO 1884.

YEARS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	0.		1.		2.		3.		4.		5.		6.		7.		8.		9.						10.		MEANS FOR THE GRAZING DISTRICTS.	
	SCOTLAND, N.		SCOTLAND, E.		ENGLAND, N.E.		ENGLAND, E.		MIDLAND COUNTIES.		ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.	SCOTLAND, W.		ENGLAND, N.W.		ENGLAND, S.W.		IRELAND, N.						IRELAND, S.		
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.		
1866	—	53.4	—	35.7	—	26.3	—	27.2	—	31.8	—	34.1	—	50.0	—	51.1	—	51.0	—	44.3	—	38.3	—	46.9	—	30.0		
1867	—	48.1	—	33.3	—	24.1	—	24.7	—	27.7	—	29.0	—	43.7	—	40.1	—	46.0	—	43.2	—	36.3	—	41.9	—	34.9		
1868	—	58.7	—	38.5	—	24.1	—	26.7	—	26.8	—	30.2	—	49.5	—	42.9	—	45.6	—	41.7	—	42.1	—	44.4	—	36.3		
1869	—	51.1	—	31.0	—	27.4	—	25.9	—	29.3	—	30.1	—	40.6	—	44.9	—	46.4	—	42.3	—	37.9	—	42.4	—	35.6		
1870	—	40.5	—	25.9	—	23.1	—	26.4	—	29.7	—	22.7	—	33.6	—	35.7	—	37.8	—	37.2	—	32.2	—	35.3	—	29.0		
1871	—	41.8	—	29.0	—	26.4	—	23.1	—	27.3	—	28.7	—	40.5	—	38.9	—	45.0	—	36.9	—	37.0	—	30.7	—	31.3		
1872	—	49.7	—	49.1	—	37.2	—	33.1	—	39.8	—	41.7	—	58.8	—	59.2	—	68.6	—	54.0	—	49.5	—	58.0	—	40.1		
1873	—	50.7	—	34.5	—	20.8	—	21.1	—	24.1	—	26.5	—	42.5	—	36.7	—	43.4	—	37.2	—	36.5	—	39.3	—	32.4		
1874	—	54.8	—	31.8	—	20.7	—	19.1	—	24.1	—	26.6	—	41.9	—	43.6	—	46.8	—	40.0	—	34.7	—	33.0	—	33.0		
1875	—	42.0	—	32.5	—	27.3	—	26.8	—	35.1	—	33.3	—	40.0	—	41.7	—	56.2	—	33.4	—	42.3	—	36.7	—	36.7		
Means for 10 years, 1866-75	—	49.1	—	34.1	—	25.7	—	24.2	—	28.7	—	30.3	—	44.1	—	43.5	—	48.7	—	41.0	—	38.5	—	43.2	—	35.9		
1876	—	44.4	—	36.2	—	31.0	—	27.2	—	34.4	—	33.7	—	44.8	—	44.3	—	49.3	—	40.0	—	42.2	—	44.1	—	38.3		
1877	—	55.9	—	41.2	—	39.3	—	27.7	—	32.9	—	35.1	—	54.4	—	57.0	—	57.1	—	48.2	—	46.7	—	52.7	—	43.1		
1878	—	235	—	178	—	195	—	211	—	193	—	181	—	187	—	202	—	207	—	229	—	218	—	207	—	190		
1879	—	217	—	183	—	203	—	227	—	199	—	197	—	199	—	195	—	207	—	208	—	219	—	200	—	206		
1880	—	210	—	184	—	186	—	192	—	176	—	175	—	198	—	179	—	190	—	216	—	198	—	196	—	189		
1881	—	232	—	189	—	203	—	193	—	177	—	171	—	206	—	190	—	195	—	234	—	209	—	206	—	197		
1882	—	254	—	223	—	207	—	197	—	210	—	197	—	233	—	222	—	235	—	253	—	240	—	237	—	222		
1883	—	247	—	210	—	196	—	199	—	166	—	165	—	231	—	217	—	238.5	—	247	—	218	—	220	—	220		
1884	—	235	—	191	—	162	—	163	—	166	—	165	—	215	—	188	—	205	—	235	—	207	—	209	—	189		
Means for 19 years, 1866-84	—	43.9	—	32.2	—	26.9	—	26.1	—	29.7	—	30.3	—	45.3	—	41.8	—	46.0	—	40.4	—	40.2	—	42.7	—	35.9		
1866	—	45.8	—	46.6	—	46.9	—	49.2	—	48.7	—	49.9	—	48.3	—	48.6	—	51.3	—	48.3	—	49.0	—	49.1	—	48.7		
1867	—	45.4	—	46.5	—	45.9	—	48.3	—	47.9	—	48.6	—	47.4	—	47.8	—	50.2	—	48.5	—	49.3	—	48.6	—	48.0		
1868	—	46.9	—	48.6	—	48.8	—	51.0	—	51.1	—	51.2	—	49.4	—	50.3	—	52.8	—	49.5	—	51.3	—	50.7	—	50.4		
1869	—	45.8	—	47.2	—	47.3	—	48.7	—	49.1	—	49.4	—	48.2	—	48.9	—	51.7	—	49.6	—	50.6	—	49.8	—	49.1		
1870	—	45.8	—	47.0	—	46.5	—	47.9	—	48.6	—	48.5	—	47.4	—	48.2	—	50.4	—	48.5	—	49.7	—	48.8	—	48.3		
1871	—	46.1	—	46.9	—	46.6	—	47.5	—	48.3	—	48.4	—	47.6	—	48.0	—	50.7	—	48.6	—	50.0	—	49.0	—	48.3		
1872	—	46.4	—	47.1	—	47.9	—	49.6	—	49.6	—	50.3	—	48.6	—	49.5	—	51.5	—	48.4	—	49.9	—	49.6	—	49.3		
1873	—	46.1	—	46.9	—	47.3	—	47.9	—	48.3	—	48.9	—	48.1	—	48.4	—	50.4	—	48.2	—	49.6	—	48.9	—	48.4		
1874	—	46.5	—	47.0	—	47.5	—	48.4	—	48.9	—	49.5	—	47.9	—	48.6	—	51.4	—	48.5	—	51.1	—	49.5	—	48.9		
1875	—	46.6	—	47.4	—	47.7	—	48.4	—	48.7	—	49.2	—	48.2	—	48.6	—	50.6	—	48.3	—	51.0	—	49.4	—	48.9		
Means for 10 years, 1866-75	—	46.1	—	47.1	—	47.2	—	48.7	—	48.9	—	49.4	—	48.1	—	48.7	—	51.1	—	48.7	—	50.2	—	49.4	—	48.9		
1876	—	46.3	—	46.9	—	48.0	—	49.2	—	48.9	—	49.9	—	48.0	—	48.8	—	51.1	—	48.1	—	50.8	—	49.4	—	49.0		
1877	—	45.2	—	46.2	—	47.0	—	48.7	—	48.7	—	49.5	—	47.4	—	48.2	—	51.2	—	47.6	—	50.5	—	49.0	—	48.5		
1878	—	46.0	—	47.2	—	47.9	—	48.9	—	49.3	—	50.1	—	48.6	—	49.2	—	50.9	—	49.0	—	50.6	—	49.7	—	49.2		
1879	—	43.8	—	44.1	—	45.0	—	45.8	—	45.8	—	46.9	—	45.6	—	45.9	—	48.4	—	46.1	—	48.3	—	46.9	—	46.2		
1880	—	45.8	—	47.0	—	47.7	—	48.8	—	48.4	—	50.0	—	48.2	—	48.6	—	51.2	—	48.6	—	50.3	—	49.4	—	48.9		
1881	—	44.1	—	45.4	—	46.2	—	47.7	—	47.4	—	49.1	—	46.3	—	47.3	—	49.4	—	47.4	—	49.0	—	47.9	—	47.6		
1882	—	46.2	—	47.3	—	48.4	—	49.1	—	48.7	—	50.4	—	48.2	—	49.0	—	50.3	—	48.7	—	49.8	—	49.2	—	49.0		
1883	—	45.3	—	46.9	—	47.4	—	48.5	—	48.2	—	49.7	—	47.6	—	48.3	—	49.6	—	48.0	—	49.4	—	48.6	—	48.4		
1884	—	46.6	—	47.7	—	48.7	—	49.8	—	49.5	—	51.0	—	48.6	—	49.3	—	50.7	—	48.8	—	50.2	—	49.5	—	49.4		
Means for 19 years, 1866-84	—	45.8	—	46.8	—	47.3	—	48.6	—	48.6	—	49.5	—	47.9	—	48.5	—	50.7	—	48.4	—	50.0	—	49.1	—	48.7		

TABLE IA.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST YEARS FOR THE NINETEEN YEARS, 1866 TO 1884.

		Wheat Districts.		Grazing, &c. Districts.		Generally.	
Rainfall	(Driest)	Ins.	22.1 in 1884	Ins.	35.3 in 1870	Ins.	29.0 in 1870
	(Wettest)	40.2 in 1872		58.0 in 1872		49.1 in 1872	
Temperature	(Coldest)	6.5 in 1870		46.9 in 1870		46.2 in 1870	
	(Warmest)	50.1 in 1868		50.7 in 1868		50.4 in 1868	

1.—Rainfall.

The mean values for the Rainfall in the various districts given as Table I. in the various Quarterly Summaries were obtained as follows. Those for the years 1866 to 1877 were derived from observations made at the following stations:—

Districts.	Stations.	Districts.	Stations.
0. SCOTLAND, N.	Loch Broom. Helmsdale. Sandwick Manse. Inverness. Aberdeen.	5. ENGLAND, S.	Bridport. Selborne. Maidstone. London (Camden Town).
1. SCOTLAND, E.	Ballater. Logierait. Stirling. Hawick.	6. SCOTLAND, W.	Dumfries. Ayr. Castle Toward.
2. ENGLAND, N.E.	N. Shields. York. Grimsby. Boston.	7. ENGLAND, N.W., and N. WALES	Llandudno. Manchester. Skipton.
3. ENGLAND, E.	Fakenham. 1866 to Beccles. 1875. Witham. Bury St. Edmunds. 1876 Yarmouth. & 1877. Cambridge. Bury St. Edmunds. Leicester. Derby. Tenbury. Shiffnal. Cirencester. Banbury. Hitchin.	8. ENGLAND, S.W., and S. WALES	Barnstaple. Bodmin. Haverfordwest. Rhayader.
4. MIDLAND COUNTIES		9. IRELAND, N.	Galway. Bunninadden, Co. Sligo. (Doo Castle.) Waringstown. Strabane.
		10. IRELAND, S.	Cork. Waterford. Killaloe. Portarlino. Monkstown, Co. Dublin.

(The values were obtained mainly from Symons' Monthly Meteorological Magazine, supplemented by some of the values contained in the Reports of the Rainfall Committee of the British Association, 1868-1876.)

2.—Temperature.

The Temperature values for the years 1866 to 1877 have been obtained from the following stations:—

Districts.	Stations.	Districts.	Stations.
0. SCOTLAND, N.	- Sandwich Manse. - Stornoway. - Dunrobin.	7. ENGLAND, N.W., and N. WALES	- Stonyhurst. - Bradford. - Leeds. - Eccles. - Liverpool. - Llandudno.
1. SCOTLAND, E.	- Culloden. - Aberdeen. - Perth. - Leith.	8. ENGLAND, S.W., and S. WALES	- Gloucester. - Taunton. - Barnstaple. - Truro. - Helston.
2. ENGLAND, N.E.	- Bywell. N. Shields. - Hull.	9. IRELAND, N.	1866 to 1873. { Belfast. 1873. { Milltown (Banbridge). 1874 to 1877. { Armagh.† 1877. { Athlone.* 1874 to 1877. { Moville. 1877. { Milltown. 1877. { Armagh. 1877. { Donaghadee.
3. ENGLAND, E.	- Royston. - Holkham. - Norwich. - Wisbeach. - Somerleyton.	10. IRELAND, S.	1866 to 1873. { Dublin.* 1873. { Curragh Camp. 1874 to 1877. { Buttevant.* 1877. { Cork. 1874 to 1877. { Valencia.† 1877. { Kingstown. 1877. { Parsonstown. 1877. { Cork. 1877. { Roche's Point. 1877. { Valencia.
4. MIDLAND COUNTIES	- Derby. - Nottingham. - Cardington. - Oxford. - Marlborough. - Greenwich. - Streatley. - London (Camden Town).		
5. ENGLAND, S.	- Weybridge. - Strathfield Turgiss. - Osborne. - Bournemouth. - Worthing. - Greenock. - Cockermouth. - Silloth. - Carlisle.		
6. SCOTLAND, W.			

(The values were obtained mainly from the returns published quarterly by the Registrar General and those published by the Scottish Meteorological Society, in their Quarterly Journal, and the reports of the Army Medical Department, besides the records of the two Irish observatories, Valencia and Armagh. The returns for Cork were furnished by R. Caulfield, Esq., LL.D.)

For the years 1878 to 1884 the means are obtained from the observations published in the Weekly Weather Report.

* Did not commence till January 1867.

† Did not commence till January 1869.

ERRATA.—In the Quarterly Summary, p. [5], the Temperature quoted in 1884 as "Mean for Wheat-producing Districts" should be 50°·9, not 50°·1.

On page [13] the Temperature of the "Midland Counties" for 1880						should be		$\overset{+}{\underset{-}{42}}^{\circ}7$,	not $\overset{+}{\underset{-}{45}}^{\circ}6$.
Consequently {	"	Mean	"	"	for the 19 years 1866-84	"	$\overset{+}{\underset{-}{43}}^{\circ}0$,	$\overset{+}{\underset{-}{43}}^{\circ}1$.	
	"	"	"	"	"Wheat-producing Districts" for 1880	"	$\overset{+}{\underset{-}{42}}^{\circ}9$,	$\overset{+}{\underset{-}{43}}^{\circ}5$.	
	"	"	"	"	"British Islands generally"	"	$\overset{+}{\underset{-}{43}}^{\circ}6$,	$\overset{+}{\underset{-}{43}}^{\circ}9$.	
	"	"	"	"	"	"			

By Order,
ROBERT H. SCOTT,
Secretary.

WEEKLY WEATHER REPORT, 1884.

VOL. I. APPENDIX II.]
New Series.

[Price 4s. 6d.]

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884.

DATE. — LIMITS OF WEEKS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	Weekly.	Sums.	1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.						10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.	
			Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.					Weekly.	Sums.	Weekly.	Sums.
NUMBER OF DAYS WITH RAIN.																														
1878.																														
Jan. 1-7	7	7	4	4	5	5	6	6	5	5	5	5	5	5	5	5	5	6	6	5	5	7	7	6	6	6	6	6	6	
8-14	6	13	12	6	5	10	5	11	3	8	12	7	3	8	3	8	3	9	12	7	4	11	3	9	3	9	2	8	3	
15-21	7	20	4	10	3	13	3	14	4	12	3	10	4	12	6	14	5	14	4	11	6	17	3	12	5	14	3	11	4	
22-28	7	27	4	14	6	19	5	19	6	18	5	15	5	17	6	20	6	20	6	17	6	23	7	19	6	20	7	18	6	
Jan. 29 to Feb. 4	4	31	0	14	1	20	5	24	1	19	3	18	2	19	1	21	2	22	0	17	0	23	12	21	1	21	12	20	1	
Feb. 5-11	5	36	1	15	1	21	1	25	2	21	3	21	2	21	2	23	2	24	2	19	2	25	3	24	2	23	3	23	2	
12-18	5	41	5	20	4	25	6	31	5	26	6	27	5	26	7	30	5	29	5	24	7	32	6	30	6	29	7	30	6	
19-25	5	46	2	22	2	27	2	33	12	28	2	29	2	28	4	34	5	34	2	26	5	37	3	33	4	33	4	34	3	
Feb. 26 to Mar. 4	6	52	5	27	4	31	3	36	4	32	3	32	4	32	6	40	5	39	5	31	5	42	5	38	5	38	6	40	4	
Mar. 5-11	7	59	4	31	3	34	4	40	3	35	2	34	3	35	6	46	6	45	2	33	6	48	6	44	5	43	5	45	4	
12-18	3	62	0	31	2	36	2	42	0	35	1	35	1	36	1	47	0	45	0	33	2	50	1	45	1	44	1	46	1	
19-25	6	68	4	35	3	39	4	46	12	37	2	37	3	39	2	49	12	47	3	36	4	54	3	48	3	47	4	50	3	
26 to April 1	6	74	5	40	6	45	6	52	6	43	5	42	5	44	4	53	4	51	5	41	6	60	4	52	4	51	6	56	5	
April 2-8	3	77	1	41	2	47	3	55	3	46	3	45	2	47	2	55	2	53	5	46	2	62	5	57	3	54	5	61	3	
9-15	3	80	4	45	2	49	2	57	4	50	3	48	3	50	4	59	2	55	5	51	4	66	5	62	4	58	4	65	4	
16-22	3	83	5	50	4	53	6	63	6	56	6	54	6	56	5	64	5	60	6	57	4	70	6	68	5	63	7	72	5	
23-29	0	83	1	51	1	54	3	66	3	59	3	57	2	58	1	65	1	61	3	60	1	71	2	70	2	65	4	76	2	
April 30 to May 6	3	86	3	54	3	57	3	69	3	62	2	59	3	61	3	68	3	64	5	65	4	75	5	75	4	69	5	81	4	
May 7-13	2	88	2	56	4	61	6	75	7	69	6	65	5	66	4	72	6	70	5	70	5	80	5	80	5	74	5	86	5	
14-20	7	95	6	62	7	68	7	82	7	76	6	71	6	72	7	79	7	77	6	76	7	87	7	87	7	81	6	92	6	
21-27	5	100	5	67	5	73	7	89	7	83	6	77	6	78	5	84	7	84	7	83	6	93	7	94	6	87	6	98	6	
May 28 to June 3	3	103	1	68	4	77	4	93	3	86	3	80	3	81	2	86	2	86	4	87	1	94	2	96	2	89	4	102	3	
June 4-10	3	106	4	72	6	83	4	97	5	91	4	84	4	85	4	90	5	91	4	91	5	99	6	102	5	94	4	106	4	
11-17	1	107	3	75	4	87	5	102	5	96	5	89	4	89	2	92	4	95	3	94	3	102	4	106	3	97	6	112	4	
18-24	4	111	2	77	1	88	3	105	1	97	1	90	2	91	2	94	3	98	1	95	5	107	4	110	3	100	1	113	2	
25 to July 1	1	112	1	78	1	89	1	106	2	99	3	93	2	93	1	95	1	99	4	99	2	109	4	114	3	103	4	117	3	
July 2-8	4	116	3	81	2	91	2	108	2	101	2	95	2	95	4	99	2	101	3	102	4	113	3	117	3	106	3	120	2	
9-15	5	121	1	82	2	93	1	109	1	102	2	97	1	96	2	101	2	103	2	104	3	116	2	119	2	108	3	123	2	
16-22	3	124	1	83	1	94	1	110	1	103	1	98	1	97	1	102	1	104	2	106	1	117	0	119	1	109	2	125	1	
23-29	2	126	3	86	5	99	4	114	4	107	3	101	4	101	1	103	3	107	4	110	3	120	4	123	3	112	6	131	4	
July 30 to Aug. 5	0	126	2	88	3	102	5	119	4	111	4	105	4	105	1	104	3	110	3	113	3	123	2	125	2	114	2	133	3	
Aug. 6-12	5	131	7	95	6	108	4	123	5	116	4	109	5	110	6	110	5	115	4	117	6	129	5	130	5	119	5	138	5	
13-19	4	135	5	100	5	113	5	128	4	120	4	113	5	115	4	114	5	120	5	122	6	135	6	136	5	124	5	143	5	
20-26	3	138	3	103	3	116	4	132	3	123	5	118	3	118	2	116	3	123	4	126	3	138	6	142	4	128	6	149	4	
Aug. 27 to Sept. 2	4	142	6	109	5	121	5	137	5	128	5	123	5	123	5	121	5	128	5	131	5	143	5	147	5	133	5	154	5	
Sept. 3-9	4	146	3	112	1	122	3	140	3	131	2	125	2	125	4	125	2	130	2	133	4	147	3	150	3	136	3	157	2	
10-16	6	152	4	116	3	125	3	143	2	133	1	126	3	128	5	130	5	135	1	134	5	152	4	154	4	140	2	159	3	
17-23	5	157	4	120	5	130	6	149	5	138	5	131	5	133	6	136	5	140	5	139	6	158	6	160	6	146	6	165	6	
24-30	6	163	5	125	5	135	5	154	4	142	2	133	4	137	6	142	7	147	4	143	6	164	5	165	5	151	4	169	5	
Oct. 1-7	6	169	5	130	4	139	3	157	4	146	2	135	3	140	5	147	6	153	4	147	5	169	5	170	5	156	4	173	4	
8-14	5	174	3	133	2	141	3	160	3	149	3	138	3	143	4	151	4	157	3	150	4	173	4	174	4	160	3	176	3	
15-21	3	177	2	135	4	145	3	163	4	153	2	140	3	146	3	154	4	161	4	154	3	176	4	178	3	163	4	180	3	
22-28	6	183	5	140	6	151	6	169	7	160	6	146	6	152	5	159	6	167	7	161	7	183	5	183	6	169	7	187	6	
Oct. 29 to Nov. 4	7	190	4	144	6	157	6	175	4	164	3	149	5	157	2	161	5	172	6	167	6	189	4	187	5	174	7	194	5	
Nov. 5-11	7	197	6	150	6	163	7	182	6	170	5	154	6	163	4	165	5	177	7	174	6	195	5	192	5	179	7	201	6	
12-18	5	202	3	153	5	168	6	188	5	175	5	159	5	168	1	166	3	180	5	179	5	200	2	194	3	182	6	207	4	
19-25	4	206	4	157	4	172	3	191	2	177	3	162	3	171	3	169	2	182	3	182	3	203	2	196	3	185	3	210	3	
Nov. 26 to Dec. 2	4	210	5	162	5	177	6	197	4	181	5	167	5	176	5	174	5	187	5	187	6	209	5	201	5	190	7	217	5	
Dec. 3-9	7	217	3	165	5	182	4	201	2	183	3	170	3	179	2	176	2	189	5	192	5	214	4	205	4	194	7	224	3	
10-16	6	223	3	168	2	184	2	203	1	184	3	173	2	181	2	178	3	192	3	195	4	218	4	209	3	197	6	230	3	
17-23	7	230	5	173	6	190	2	205	3	187	2	175	4	185	4	182	5	197	5	200	6	224	3	212	5	202	6	236	5	
24-30	5	235	5	178	5	195	6	211	6	193	6	181	6	191	5	187	5	202	7	207	5	229	6	218	5	207	7	243	5	

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—*continued*.

DATE. — LIMITS OF WEEKS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.					
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND S.		MEANS FOR WHEAT PRODUCING DIS- TRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.						10. IRELAND, S.		MEANS FOR GRAZ- ING, &c. DIS- TRICTS.	
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.		
NUMBER OF DAYS WITH RAIN.																														
1879.																														
Dec. 31 to Jan. 6 -	6	6	3	3	1	1	4	4	4	4	4	4	3	3	2	2	3	3	5	5	5	4	4	4	4	4	6	6	4	4
Jan. 7-13 -	4	10	4	7	4	5	4	8	3	7	3	7	4	7	3	5	2	5	4	9	4	8	4	8	3	7	4	10	3	7
14-20 -	3	13	3	10	5	10	3	11	3	10	3	10	3	10	3	8	4	9	4	13	5	13	5	13	4	11	6	16	4	11
21-27 -	3	16	1	11	3	13	1	12	0	10	1	11	1	11	1	9	0	9	1	14	3	16	1	14	1	12	2	18	1	12
Jan. 28 to Feb. 3 -	4	20	5	16	5	18	4	16	3	13	4	15	4	15	2	11	2	11	4	18	4	20	4	18	3	15	4	22	3	15
Feb. 4-10 -	4	24	3	19	6	24	6	22	5	18	6	21	5	20	6	17	6	17	7	25	6	26	7	25	7	22	6	28	6	21
11-17 -	3	27	5	24	6	30	6	28	5	23	6	27	6	26	5	22	4	21	6	31	5	31	7	32	5	27	7	35	6	27
18-24 -	3	30	4	28	6	36	5	33	6	29	5	32	5	31	5	25	5	26	6	37	4	35	5	37	5	32	7	42	5	32
Feb. 25 to Mar. 3 -	6	36	2	30	4	40	6	39	5	34	5	37	4	35	4	29	4	30	4	41	5	40	3	40	4	36	5	47	4	36
Mar. 4-10 -	7	43	4	34	2	42	3	42	2	36	2	39	3	38	5	34	3	33	3	44	5	45	3	43	4	40	3	50	3	39
11-17 -	5	48	5	39	5	47	4	46	4	40	3	42	4	42	6	40	6	39	3	47	6	51	5	48	5	45	3	53	5	44
18-24 -	2	50	3	42	3	55	2	48	2	42	2	44	3	45	2	42	1	40	2	49	3	54	2	50	2	47	3	56	3	47
25-31 -	4	54	4	46	5	55	6	54	6	48	5	49	5	50	5	47	3	43	5	54	6	60	5	55	5	52	7	63	5	52
April 1-7 -	6	60	4	50	4	59	4	58	5	53	4	53	4	54	5	52	4	47	5	59	5	65	5	60	5	57	6	69	4	56
8-14 -	3	63	5	55	6	65	7	65	6	59	4	57	5	59	3	55	4	51	4	63	3	68	4	64	3	60	5	74	4	60
15-21 -	3	66	2	57	4	69	5	70	3	62	4	61	4	63	2	57	3	54	3	66	3	71	4	68	3	63	3	77	3	63
22-28 -	3	69	5	62	4	73	5	75	4	66	5	66	5	68	3	60	4	58	4	70	4	75	5	73	4	67	4	81	5	68
April 29 to May 5 -	2	71	2	64	2	75	4	79	2	68	3	69	3	71	2	62	2	60	2	72	1	76	1	74	1	68	2	83	2	70
May 6-12 -	6	77	3	67	5	80	4	83	4	72	4	73	4	75	4	66	3	63	4	76	5	81	4	78	4	72	4	87	4	74
13-19 -	3	80	3	70	5	85	5	88	6	78	5	78	5	80	4	70	5	68	5	81	5	86	5	83	5	77	5	92	5	79
20-26 -	5	85	6	76	5	90	6	94	5	83	4	92	5	85	6	76	6	74	5	86	6	92	6	89	6	83	4	96	5	84
May 27 to June 2 -	4	89	6	82	4	94	6	100	6	89	6	88	5	90	4	80	3	77	6	92	3	95	4	93	4	87	6	102	5	89
June 3-9 -	4	93	5	87	4	98	6	106	6	95	5	93	5	95	4	84	5	82	5	97	5	100	6	99	5	92	6	108	5	94
10-16 -	2	95	5	92	4	102	5	111	6	101	6	99	5	100	3	87	4	86	7	104	6	106	6	105	5	97	7	115	5	99
17-23 -	2	97	4	96	4	106	5	116	5	106	5	104	5	105	5	92	6	92	5	109	6	112	6	111	6	103	6	121	5	104
24-30 -	3	100	6	102	6	112	6	122	6	112	5	109	6	111	6	98	6	98	6	115	6	118	7	118	6	109	6	127	6	110
July 1-7 -	6	106	6	108	4	116	6	128	6	118	6	115	6	117	6	104	6	104	6	121	7	125	7	125	7	116	7	134	7	117
8-14 -	3	109	4	112	6	122	6	134	6	124	6	121	6	123	5	109	5	109	5	126	5	130	5	130	5	121	4	138	5	122
15-21 -	3	112	4	116	4	126	5	139	4	128	5	126	4	127	4	113	5	114	4	130	4	134	4	134	4	125	4	142	4	126
22-28 -	5	117	4	120	4	130	4	143	3	131	2	128	3	130	6	119	5	119	4	134	6	140	4	138	5	130	3	145	4	130
July 29 to Aug. 4 -	5	122	4	124	4	134	4	147	4	135	4	132	4	134	4	123	5	124	5	139	5	145	6	144	5	135	5	150	5	135
Aug. 5-11 -	5	127	5	129	3	137	3	150	2	137	3	135	3	137	3	126	3	127	5	144	4	149	5	149	4	139	6	156	3	138
12-18 -	2	129	4	133	4	141	5	155	4	141	4	139	4	141	4	130	5	132	4	148	4	153	4	153	4	143	5	161	4	142
19-25 -	5	134	6	139	6	147	6	161	5	146	7	146	6	147	6	136	5	137	7	155	6	159	5	158	6	149	6	167	6	148
Aug. 26 to Sept. 1 -	6	140	6	145	5	152	4	165	5	151	4	150	5	152	6	142	5	142	4	159	7	166	5	163	5	154	5	172	5	153
Sept. 2-8 -	6	146	4	149	3	155	4	169	4	155	3	153	3	155	6	148	5	147	4	163	6	172	6	169	5	159	4	176	4	157
9-15 -	4	150	3	152	4	159	5	174	4	159	5	158	4	159	5	153	4	151	5	168	5	177	5	174	5	164	5	181	5	162
16-22 -	4	154	2	154	3	162	4	178	2	161	3	161	3	162	4	157	3	154	4	172	4	181	3	177	4	168	4	185	3	165
23-29 -	5	159	3	157	3	165	5	183	5	166	4	165	4	166	5	162	6	160	4	176	5	186	5	182	5	173	5	190	5	170
Sept. 30 to Oct. 6 -	4	163	3	160	4	169	4	187	4	170	3	168	4	170	4	166	4	164	4	180	4	190	4	186	4	177	3	193	4	174
Oct. 7-13 -	2	165	2	162	1	170	2	189	1	171	1	169	1	171	2	168	2	166	0	180	2	192	2	188	2	179	0	193	1	175
14-20 -	6	171	5	167	5	175	6	195	5	176	4	173	5	176	5	173	4	170	4	184	5	197	4	192	4	183	6	199	5	180
21-27 -	4	175	4	171	2	177	3	198	4	180	4	177	3	179	4	177	4	174	6	190	5	202	5	197	5	188	6	205	4	184
Oct. 28 to Nov. 3 -	5	180	2	173	4	181	5	203	2	182	2	179	3	182	1	178	1	175	1	191	3	205	0	197	1	189	2	207	2	186
Nov. 4-10 -	6	186	2	175	1	182	1	204	1	183	2	181	2	184	4	182	2	177	1	192	4	209	2	199	3	192	1	208	2	188
11-17 -	5	191	3																											

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS, IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—*continued.*

DATE. — LIMITS OF WEEKS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.							
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.						10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.			
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.		
NUMBER OF DAYS WITH RAIN.																																
1880.																																
Dec. 30 to Jan. 5	6	6	5	5	5	5	4	4	3	3	4	4	4	4	7	7	4	4	5	5	6	6	6	6	5	5	6	6	5	5		
Jan. 6-12	1	7	1	6	1	6	12	6	1	4	1	5	1	5	1	8	1	5	1	6	1	7	1	7	1	6	1	7	1	6		
13-19	5	12	4	10	3	9	12	8	3	7	3	8	3	8	3	11	3	8	2	8	4	11	4	11	3	9	4	11	3	9		
20-26	4	16	1	11	1	10	2	10	0	7	1	9	1	9	1	12	0	8	0	8	1	12	1	12	1	10	0	11	1	10		
Jan. 27 to Feb. 2	5	21	3	14	1	11	2	12	1	8	2	11	2	11	5	17	2	10	2	10	4	16	3	15	3	13	3	14	2	12		
Feb. 3-9	4	25	5	19	4	15	5	17	6	14	6	17	5	16	6	23	6	16	6	16	4	20	5	20	6	19	6	20	6	18		
10-16	4	29	4	23	5	20	5	22	6	20	5	22	5	21	6	29	5	21	6	22	6	26	7	27	6	25	6	26	5	23		
17-23	6	35	4	27	5	25	6	28	6	26	7	29	6	27	5	34	5	26	6	28	5	31	6	33	5	30	6	32	6	29		
Feb. 24 to Mar. 1	7	42	5	32	2	27	3	31	4	30	4	33	4	31	6	40	5	31	5	33	6	37	5	38	5	35	4	36	4	33		
Mar. 2-8	4	46	4	36	3	30	3	34	3	33	3	36	3	34	5	45	4	35	6	39	5	42	4	42	5	40	5	41	4	37		
9-15	2	48	4	40	3	33	2	36	2	35	1	37	2	36	2	47	3	38	4	43	3	45	5	47	4	44	3	44	3	40		
16-22	0	48	0	40	0	33	1	37	0	35	0	37	0	36	1	48	1	39	2	45	2	47	2	49	2	46	3	47	1	41		
23-29	1	49	1	41	1	34	1	38	0	35	1	38	1	37	1	49	1	40	2	47	2	49	1	50	1	47	3	50	1	42		
Mar. 30 to Apr. 5	6	55	4	45	6	40	5	43	6	41	6	44	5	42	7	56	6	46	6	53	7	56	7	57	7	54	7	57	6	48		
Apr. 6-12	2	57	4	49	4	44	5	48	3	44	4	48	4	46	4	60	2	48	3	56	4	60	4	61	3	57	3	60	3	51		
13-19	5	62	4	53	4	48	4	52	4	48	4	52	4	50	5	65	3	51	4	60	6	66	6	67	5	62	6	66	5	56		
20-26	6	68	5	58	3	51	5	57	4	52	3	55	4	54	4	69	5	56	2	62	6	72	4	71	4	66	4	70	4	60		
Apr. 27 to May 3	2	70	3	61	1	52	2	59	1	53	1	56	1	55	1	70	1	57	1	63	2	74	1	72	1	67	2	72	1	61		
May 4-10	3	73	2	63	4	56	4	63	2	55	2	58	3	58	1	71	1	58	1	64	2	76	1	73	1	68	1	73	2	63		
11-17	1	74	1	64	1	57	1	64	1	56	1	59	1	59	1	72	1	59	1	65	1	77	1	74	1	69	2	75	1	64		
18-24	6	80	4	68	2	59	1	65	2	58	1	60	2	61	4	76	1	60	1	66	4	81	2	76	3	72	0	75	2	66		
May 25-31	4	84	3	71	4	63	4	69	5	63	3	63	4	65	5	81	5	65	4	70	6	87	5	81	5	77	5	80	4	70		
June 1-7	5	89	4	75	6	69	7	76	6	69	6	69	6	71	4	85	5	70	5	75	4	91	3	84	4	81	4	84	5	75		
8-14	3	92	3	78	3	72	3	79	4	73	3	72	3	74	3	88	3	73	3	78	3	94	4	88	3	84	5	89	3	78		
15-21	1	93	3	81	3	75	5	84	6	79	6	78	5	79	3	91	4	77	5	83	3	97	3	91	4	88	6	95	5	83		
22-28	2	95	3	84	3	78	4	88	4	83	3	81	3	82	4	95	3	80	2	85	5	102	5	96	4	92	4	99	4	87		
June 30 to July 5	2	97	6	90	3	81	4	92	4	87	3	84	4	86	6	101	4	84	4	89	6	108	5	101	5	97	5	104	5	92		
July 6-12	5	102	6	96	5	86	6	98	6	93	5	89	6	92	3	104	5	89	5	94	6	114	6	107	5	102	4	108	5	97		
13-19	2	104	3	99	6	92	5	103	5	98	5	94	5	97	4	108	5	94	2	96	4	118	4	111	4	106	1	109	4	101		
20-26	1	105	2	101	3	95	5	108	4	102	3	97	3	100	2	110	4	98	4	100	4	122	4	115	3	109	5	114	3	104		
July 27 to Aug. 2	6	111	6	107	5	100	6	114	6	108	6	103	6	106	5	115	5	103	6	106	7	129	5	120	6	115	6	120	6	110		
Aug. 3-9	4	115	5	112	4	104	3	117	3	111	3	106	4	110	4	119	5	108	5	111	6	135	5	125	5	120	6	126	5	115		
10-16	0	115	1	113	1	105	1	118	0	111	0	106	1	111	1	120	0	108	1	112	1	136	1	126	1	121	2	128	1	116		
17-23	2	117	1	114	2	107	2	120	1	112	1	107	1	112	0	120	0	108	1	113	0	136	1	127	0	121	3	131	0	116		
Aug. 24-30	2	119	2	116	3	110	2	122	1	113	2	109	2	114	1	121	1	109	2	115	1	137	2	129	1	122	2	133	2	118		
31 to Sept. 6	3	122	2	118	2	112	1	123	1	114	1	110	1	115	4	125	2	111	2	117	3	140	4	133	3	125	2	135	2	120		
Sept. 7-13	4	126	3	121	3	115	3	126	5	119	5	115	4	119	5	130	5	116	6	123	5	145	4	137	5	130	7	142	4	124		
14-20	4	130	5	126	6	121	6	132	6	125	7	122	6	125	6	136	6	122	6	129	6	151	5	142	6	136	7	149	6	130		
21-27	5	135	4	130	3	124	2	134	2	127	2	124	3	128	5	141	4	126	3	132	5	156	3	145	4	140	5	154	3	133		
Sept. 28 to Oct. 4	6	141	3	133	3	127	2	136	3	130	2	126	3	131	2	143	3	129	3	135	2	158	2	147	2	142	3	157	2	135		
Oct. 5-11	3	144	4	137	6	133	6	142	5	135	6	132	5	136	1	144	2	131	4	139	1	159	3	150	2	144	6	163	4	139		
12-18	6	150	2	139	2	135	2	144	2	137	2	134	2	138	3	147	2	133	0	139	2	161	1	151	2	146	1	164	2	141		
19-25	6	156	4	143	4	139	4	148	3	140	6	140	4	142	2	149	2	135	6	145	2	163	2	153	3	149	5	169	3	144		
Oct. 26 to Nov. 1	6	162	4	147	4	143	5	153	4	144	4	144	4	146	3	152	4	139	5	150	4	167	5	158	4	153	6	175	4	148		
Nov. 2-8	5	167	2	149	2	145	3	156	1	145	1	145	2	148	4	156	2	141	2	152	4	171	2	160	3	156	4	179	3	151		
9-15	6	173	6	155	6	151	6	162	6	151	6	151	6	154	7	163	7	148	7	159	7	178	6	166	7	163	7	186	7	158		
16-22																																

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										Channel Islands.		Means for the British Islands generally.			
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DIS- TRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.						MEANS FOR GRAZ- ING, &c. DIS- TRICTS	
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.					Weekly.	Sums.
NUMBER OF DAYS WITH RAIN.																														
1881.																														
Jan. 4-10	2	2	2	2	1	1	3	3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
11-17	6	8	4	6	3	4	3	6	12	3	12	3	3	5	12	3	3	4	4	5	5	6	3	4	3	4	6	8	3	5
18-24	6	14	4	10	4	8	5	11	12	5	3	6	3	8	18	5	1	5	12	7	1	7	2	6	12	6	4	12	2	7
25-31	3	17	2	12	4	12	5	16	5	10	5	11	4	12	5	10	4	9	6	13	5	12	4	10	5	11	5	17	5	12
Feb. 1-7	5	22	5	17	6	18	6	22	6	16	5	16	6	18	6	16	7	16	6	19	7	19	6	16	6	17	6	23	6	18
8-14	6	28	5	22	6	24	5	27	6	22	4	20	5	23	6	22	5	21	6	25	6	25	6	22	6	23	6	29	5	23
15-21	2	30	2	24	4	28	4	31	3	25	3	23	3	26	1	23	1	22	2	27	3	28	3	25	2	25	3	32	3	26
22-28	6	36	4	28	4	32	4	35	3	28	3	26	4	30	4	27	2	24	2	29	4	32	3	28	3	28	3	35	4	30
Mar. 1-7	4	40	3	31	6	38	5	40	6	34	5	31	5	35	5	32	6	30	5	34	6	38	6	34	6	34	5	40	5	35
8-14	5	45	5	36	4	42	2	42	3	37	2	33	3	38	6	38	5	35	5	39	5	43	4	38	5	39	4	44	4	39
15-21	5	50	4	40	3	45	2	44	2	39	2	35	3	41	4	42	3	38	2	41	3	46	3	41	3	42	1	45	3	42
22-28	7	57	4	44	4	49	3	47	3	42	4	39	3	44	4	46	4	42	3	44	5	51	3	44	4	46	5	50	4	46
29 to April 4	3	60	2	46	2	51	0	47	0	42	0	39	1	45	0	46	0	42	1	45	0	51	0	44	0	46	1	51	1	47
April 5-11	1	61	1	47	1	52	1	48	1	43	3	42	1	46	1	47	1	43	2	47	2	53	3	47	2	48	3	54	1	48
12-18	2	63	3	50	4	56	3	51	3	46	1	43	3	49	3	50	4	47	2	49	4	57	3	50	3	51	2	56	3	51
19-25	6	69	5	55	4	60	5	56	2	48	3	46	4	53	4	54	3	50	3	52	5	62	3	53	3	54	3	59	4	55
26 to May 2	3	72	6	61	4	64	5	61	4	52	4	50	4	57	4	58	4	54	6	58	5	67	5	58	5	59	5	64	5	60
May 3-9	4	76	3	64	3	67	3	64	2	54	2	52	3	60	4	62	3	57	2	60	4	71	2	60	3	62	1	65	3	63
10-16	5	81	2	66	3	70	1	65	2	56	2	54	2	62	3	65	4	61	2	62	4	75	4	64	3	65	2	67	2	65
17-23	3	84	4	70	3	73	3	68	3	59	3	57	3	65	4	69	3	64	3	65	4	79	4	68	4	69	3	70	4	69
24-30	0	84	1	71	2	75	2	70	3	62	3	60	2	67	2	71	4	68	2	67	2	81	2	70	2	71	3	73	2	71
May 31 to June 6	5	89	3	74	3	78	2	72	3	65	2	62	3	70	4	75	2	70	3	70	3	84	4	74	4	75	3	76	3	74
June 7-13	4	93	3	77	2	80	3	75	3	68	3	65	3	73	3	78	2	72	4	74	4	88	3	77	3	78	4	80	3	77
14-20	4	97	5	82	5	85	4	79	5	73	4	69	5	78	6	84	6	78	6	80	6	94	7	84	6	84	6	86	6	83
21-28	6	103	4	86	5	90	3	82	5	78	3	72	4	82	5	89	5	83	5	85	6	100	5	89	5	89	4	90	4	87
29 to July 4	6	109	5	91	2	92	0	82	1	79	0	72	1	83	6	95	3	86	2	87	6	106	3	92	4	93	2	92	3	90
July 5-11	6	115	5	96	4	96	4	86	4	83	3	75	4	87	5	100	5	91	4	91	6	112	5	97	5	98	4	96	5	95
12-18	4	119	2	98	1	97	0	86	0	83	0	75	1	88	4	104	2	93	2	93	4	116	3	100	3	101	1	97	2	97
19-25	5	124	5	103	4	101	4	90	4	87	4	79	4	92	6	110	4	97	5	98	6	122	4	104	5	106	4	101	4	101
26 to Aug. 1	6	130	4	107	4	105	4	94	5	92	6	85	4	96	4	114	4	101	5	103	4	126	4	108	4	110	5	106	4	105
Aug. 2-8	6	136	4	111	2	107	2	96	2	94	1	86	2	98	6	120	4	105	2	105	6	132	6	114	5	115	2	108	3	108
9-15	3	139	4	115	3	110	6	102	4	98	4	90	4	102	4	124	5	110	4	109	5	137	5	119	5	120	6	114	4	112
16-22	3	142	5	120	5	115	5	107	6	104	6	96	6	108	4	128	5	115	6	115	5	142	6	125	5	125	7	121	6	118
23-29	3	145	5	125	7	122	5	112	6	110	6	102	6	114	7	135	7	122	6	121	6	148	6	131	6	131	6	127	6	124
Aug. 30 to Sept. 5	1	146	3	128	6	128	6	118	3	113	3	105	4	118	1	136	2	124	2	123	6	154	1	132	2	133	3	130	3	127
Sept. 6-12	4	150	5	133	5	133	5	123	3	116	4	109	4	122	3	139	3	127	3	126	4	158	3	135	3	136	3	133	4	131
13-19	2	152	3	136	2	135	3	126	2	118	3	112	3	125	3	142	2	129	3	129	3	161	3	138	3	139	3	136	3	134
20-26	4	156	4	140	6	141	6	132	6	124	6	118	6	131	6	148	6	135	5	134	6	167	5	143	6	145	5	141	6	140
27 to Oct. 3	2	158	1	141	2	143	1	133	2	126	1	119	1	132	2	150	1	136	2	136	2	169	4	147	2	147	2	143	1	141
Oct. 4-10	5	163	6	147	5	148	6	139	4	130	5	124	5	137	4	154	4	140	4	140	5	174	4	151	4	151	5	148	4	145
11-17	4	167	3	150	3	151	4	143	4	134	3	127	3	140	4	158	4	144	3	143	5	179	4	155	4	155	4	152	4	149
18-24	2	169	5	155	5	156	4	147	4	138	4	131	5	145	1	159	3	147	5	148	4	183	5	160	4	159	5	157	4	153
25-31	3	172	4	159	5	161	6	153	3	141	2	133	4	149	2	161	1	148	1	149	2	185	2	162	1	160	4	161	3	156
Nov. 1-7	6	178	5	164	4	165	5	158	6	147	7	140	5	154	5	166	4	152	6	155	5	190	5	167	5	165	5	166	5	161
8-14	6	184	4	168	2	167	2	160	1	148	2	142	2	156	5	171	3	155	4	159	5	195	5	172	5	170	5	171	3	164
15-21	6	190	6	174	4	171	5	165	5	153	4	146	5	161	6	177	6	161	6	165	7	202	7	179	6	176	6	177	6	170
22-28	6	196	5	179	6	177																								

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—*continued*.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.				
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, N.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.						MEANS FOR GRAZING &c. DISTRICTS.		
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			
NUMBER OF DAYS WITH RAIN.																															
1882.																															
Jan. 3-9 - -	7	7	5	5	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	7	7	7	7	6	6	7	7	7	7	6	6
10-16 - -	4	11	1	6	1	5	12	6	12	6	3	7	12	6	4	10	4	10	3	10	3	10	4	10	4	11	12	9	3	9	
17-23 - -	6	17	2	8	0	5	0	6	1	7	0	7	1	7	3	13	2	12	0	10	1	11	1	11	1	12	0	9	1	10	
24-30 - -	3	20	3	11	3	8	3	9	3	10	1	8	2	9	3	16	1	13	4	14	4	15	4	15	3	15	4	13	12	12	
Jan. 31 to Feb. 6 -	6	26	2	13	0	8	0	9	0	10	0	8	1	10	4	20	2	15	0	14	3	18	4	19	3	18	0	13	2	14	
Feb. 7-13 - -	4	30	4	17	1	9	12	11	3	13	2	10	2	12	5	25	4	19	4	18	5	23	6	25	5	23	4	17	4	18	
14-20 - -	7	37	5	22	3	12	4	15	4	17	4	14	4	16	6	31	6	25	4	22	5	28	5	30	5	28	6	23	4	22	
21-27 - -	5	42	3	25	3	15	4	19	5	22	4	18	4	20	5	36	4	29	4	26	6	34	4	34	4	32	4	27	4	26	
Feb. 28 to Mar. 6 -	6	48	6	31	6	21	4	23	4	26	5	23	5	25	6	42	6	35	6	32	7	41	6	40	6	38	6	33	6	32	
Mar. 7-13 - -	6	54	4	35	1	22	1	24	1	27	3	26	2	27	5	47	2	37	5	37	5	46	4	44	4	42	3	36	3	35	
14-20 - -	6	60	3	38	1	23	1	25	1	28	1	27	1	28	4	51	2	39	2	39	4	50	3	47	3	45	1	37	2	37	
21-27 - -	7	67	4	42	5	28	6	31	4	32	5	32	5	33	7	58	5	44	4	43	7	57	6	53	6	51	5	42	5	42	
28 to April 3 -	5	72	6	48	4	32	1	32	3	35	2	34	3	36	4	62	5	49	6	49	6	63	6	59	6	57	6	48	4	46	
April 4-10 - -	0	72	1	49	1	33	2	34	1	36	1	35	1	37	1	63	1	50	1	50	3	66	1	60	1	58	0	48	1	47	
11-17 - -	5	77	6	55	4	37	5	39	5	41	5	40	5	42	6	69	5	55	7	57	4	70	6	66	6	64	6	54	5	52	
18-24 - -	6	83	5	60	5	42	5	44	6	47	6	46	5	47	6	75	6	61	6	63	5	75	6	72	6	70	6	60	6	58	
25 to May 1 -	6	89	4	64	6	48	7	51	6	53	6	52	6	53	5	80	6	67	7	70	6	81	6	78	6	76	6	66	6	64	
May 2-8 - -	4	93	5	69	5	53	6	57	4	57	4	56	5	58	5	85	3	70	2	72	6	89	3	81	4	80	2	68	4	68	
9-15 - -	5	98	3	72	1	54	2	59	1	58	1	57	1	59	2	87	2	72	1	73	2	89	2	83	2	82	1	69	2	70	
16-22 - -	1	99	0	72	0	54	1	60	1	59	1	58	1	60	1	88	1	73	2	75	2	91	2	85	2	84	1	70	1	71	
23-29 - -	4	103	4	76	5	59	2	62	5	64	4	62	4	64	4	92	5	78	6	81	6	97	6	91	5	89	5	75	5	76	
May 30 to June 5 -	3	106	3	79	3	62	3	65	3	67	3	65	3	67	3	95	4	82	4	85	3	100	5	96	4	93	5	80	3	79	
June 6-12 - -	5	111	6	85	6	68	6	71	6	73	6	71	6	73	5	100	6	88	6	91	7	107	6	102	6	99	5	85	6	85	
13-19 - -	4	115	5	90	4	72	5	76	4	77	4	75	4	77	5	105	4	92	4	95	5	112	5	107	4	103	3	88	4	89	
20-26 - -	6	121	6	96	5	77	4	80	5	82	4	79	5	82	5	110	6	98	6	101	6	118	6	113	6	109	7	95	6	95	
27 to July 3 -	2	123	3	99	2	79	0	80	2	84	2	81	2	84	3	113	2	100	3	104	5	123	3	116	3	112	2	97	3	98	
July 4-10 - -	5	128	6	105	6	85	7	87	7	91	7	88	6	90	4	117	5	105	7	111	7	130	7	123	6	118	7	104	6	104	
11-17 - -	4	132	5	110	6	91	4	91	7	98	6	94	6	96	7	124	6	111	6	117	7	137	7	130	7	125	6	110	7	111	
18-24 - -	5	137	5	115	6	97	4	95	6	104	4	98	5	101	5	129	6	117	6	123	7	144	7	137	6	131	5	115	5	116	
25-31 - -	4	141	4	119	4	101	3	98	3	107	2	100	3	104	5	134	4	121	2	125	4	148	4	141	4	135	1	116	4	120	
Aug. 1-7 - -	4	145	1	120	1	102	1	99	1	108	0	100	1	105	2	136	1	122	1	126	3	151	1	142	1	136	2	118	1	121	
8-14 - -	2	147	2	122	2	104	1	100	2	110	2	102	2	107	2	138	3	125	3	129	3	154	2	144	3	139	2	120	2	123	
15-21 - -	5	152	6	128	6	110	5	105	5	115	4	106	5	112	5	143	5	130	5	134	5	159	4	148	5	144	4	124	5	128	
22-28 - -	5	157	6	134	5	115	5	110	5	120	5	111	5	117	6	149	6	136	6	140	6	165	6	154	6	150	7	131	6	134	
Aug. 29 to Sept. 4 -	6	163	6	140	6	121	5	115	5	125	5	116	6	123	5	154	5	141	6	146	5	170	5	159	5	155	6	137	6	140	
Sept. 5-11 - -	4	167	2	142	2	123	2	117	2	127	3	119	2	125	2	156	2	143	2	148	3	173	3	162	2	157	2	139	2	142	
12-18 - -	6	173	5	147	3	126	3	120	3	130	2	121	3	128	5	161	4	147	3	151	6	179	5	167	5	162	6	145	4	146	
19-25 - -	5	178	4	151	3	129	2	122	3	133	3	124	3	131	3	164	2	149	4	155	3	182	2	169	3	165	4	149	3	149	
26 to Oct. 2 -	5	183	5	156	6	135	6	128	6	139	6	130	6	137	6	170	6	155	6	161	6	188	6	175	6	171	7	156	6	155	
Oct. 3-9 - -	4	187	6	162	4	139	5	153	4	143	4	134	5	142	3	173	2	157	3	164	3	191	3	178	3	174	3	159	4	159	
10-16 - -	4	191	5	167	6	145	5	138	6	149	5	139	5	147	5	178	4	161	6	170	4	195	4	182	5	179	7	166	5	164	
17-23 - -	6	197	5	172	6	151	4	142	7	156	6	145	6	153	6	184	6	167	6	176	6	201	6	188	6	185	7	173	6	170	
24-30 - -	5	201	4	176	5	156	6	148	6	162	6	151	5	158	4	188	5	172	6	182	4	205	4	192	4	189	7	180	5	175	
Oct. 31 to Nov. 6 -	7	208	6	182	6	162	7	155	7	169	6	157	6	164	7	195	7	179	7	189	6	211	7	199	7	196	6	186	6	181	
Nov. 7-13 - -	6	214	5	187	6	168	5	160	4	173	4	161	5	169	4	199	5	184	5	194	4	215	5	204	4	200	7	193	4	185	
14-20 - -	6	220	4	191	5	173	6	166	5	178	5	166	5	174																	

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—*continued*.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										Channel Islands.		Means for the British Islands generally.			
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.						MEANS FOR GRAZING, &c. DISTRICTS.	
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.		
NUMBER OF DAYS WITH RAIN.																														
1883.																														
Jan. 2-8 - -	4	4	1	1	4	4	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
9-15 - -	4	8	2	3	4	8	4	7	6	10	6	10	5	8	5	8	5	8	5	8	5	8	6	9	5	8	5	8	5	8
16-22 - -	4	12	3	6	3	11	3	10	3	13	5	15	3	11	4	12	5	13	5	13	6	14	6	15	5	13	4	12	4	12
23-29 - -	6	18	6	12	6	17	5	15	6	19	6	21	6	17	7	19	7	20	6	19	7	21	7	22	7	20	7	19	7	19
Jan. 30 to Feb. 5 -	5	23	4	16	3	20	4	19	3	22	3	24	3	20	5	24	4	24	5	24	6	27	5	27	5	25	5	24	4	23
Feb. 6-12 - -	6	29	6	22	7	27	6	25	7	29	7	31	7	27	7	31	7	31	7	31	7	34	6	33	7	32	7	31	7	30
13-19 - -	5	34	5	27	5	32	5	30	5	34	5	36	5	32	7	38	5	36	6	37	6	40	6	39	6	38	6	37	6	36
20-26 - -	6	40	3	30	1	33	2	32	1	35	1	37	2	34	3	41	2	38	3	40	3	43	3	42	3	41	3	40	2	38
Feb. 27 to Mar. 5 -	3	43	2	32	3	36	3	35	2	37	2	39	2	36	2	43	2	40	1	41	2	45	2	44	2	43	2	42	2	40
Mar. 6-12 - -	6	49	5	37	6	42	6	41	3	40	2	41	4	40	2	45	2	42	1	42	3	48	3	47	2	45	6	48	3	43
13-19 - -	6	55	7	44	5	47	5	46	4	44	3	44	5	45	5	50	4	46	5	47	6	54	4	51	5	50	7	55	5	48
20-26 - -	5	60	4	48	4	51	3	49	3	47	2	46	3	48	2	52	2	48	4	51	4	58	2	53	3	53	3	58	3	51
27 to April 2 -	5	65	4	52	2	53	2	51	2	49	3	49	3	51	4	56	3	51	4	55	5	63	4	57	4	57	5	63	4	55
April 3-9 - -	2	67	2	54	1	54	0	51	0	49	0	49	1	52	2	58	1	52	1	56	1	64	1	58	1	58	0	63	1	56
10-16 - -	5	72	3	57	1	55	1	52	1	50	1	50	1	53	3	61	2	54	1	57	4	68	3	61	3	61	1	64	2	58
17-23 - -	3	75	2	59	4	59	5	57	4	54	5	55	4	57	2	63	3	57	3	60	2	70	2	63	2	63	3	67	3	61
24-30 - -	2	77	3	62	4	63	4	61	4	58	4	59	4	61	5	68	4	61	5	65	5	75	5	68	5	68	5	72	4	65
May 1-7 - -	5	82	4	66	5	68	4	65	4	62	3	62	4	65	3	71	2	63	4	69	3	78	2	70	3	71	3	75	3	68
8-14 - -	5	87	3	69	6	74	6	71	6	68	7	69	6	71	4	75	5	68	6	75	6	84	6	76	5	76	6	81	6	74
15-21 - -	5	92	4	73	0	74	1	72	1	69	1	70	1	72	2	77	2	70	0	75	3	87	1	77	2	78	1	82	1	75
22-28 - -	4	96	4	77	2	76	2	74	2	71	2	72	2	74	4	81	2	72	2	77	4	71	3	80	3	81	2	84	3	78
May 29 to June 4 -	4	100	2	79	1	77	0	74	0	71	0	72	1	75	4	85	1	73	2	79	4	95	3	83	3	84	3	87	2	80
June 5-11 - -	2	102	1	80	1	78	1	75	3	74	2	74	2	77	1	86	1	74	3	82	3	98	3	86	2	86	3	90	2	82
12-18 - -	5	107	4	84	5	83	4	79	4	78	3	77	4	81	4	90	4	78	5	87	6	104	5	91	5	91	3	93	4	86
19-25 - -	3	110	4	88	4	87	5	84	5	83	5	82	4	85	5	95	6	84	6	93	5	109	5	96	5	96	7	100	5	91
26 to July 2 -	3	113	4	92	5	92	3	87	5	88	3	85	4	89	6	101	5	89	4	97	6	115	5	101	5	101	5	105	5	96
July 3-9 - -	4	117	5	97	4	96	4	91	4	92	4	89	4	93	5	106	6	95	6	103	6	121	5	106	6	107	6	111	5	101
10-16 - -	6	123	5	102	5	101	6	97	6	98	5	94	6	99	5	111	5	100	6	109	7	128	7	113	6	113	6	117	6	107
17-23 - -	6	129	6	108	5	106	5	102	5	103	5	99	5	104	3	114	4	104	7	116	4	132	6	119	5	118	7	124	5	112
24-30 - -	2	131	3	111	3	109	5	107	3	106	3	102	3	107	2	116	2	106	2	118	3	135	3	122	2	120	2	126	2	114
July 31 to Aug. 6 -	4	135	3	114	2	111	4	111	4	110	4	106	3	110	4	120	3	109	4	122	4	139	4	126	4	124	3	129	4	118
Aug. 7-13 - -	6	141	6	120	6	117	4	115	5	115	3	109	5	115	6	126	5	114	4	126	6	145	6	132	5	129	4	133	5	123
14-20 - -	5	146	2	122	2	119	2	117	3	118	3	112	3	118	4	130	4	118	4	130	4	149	3	135	4	133	4	137	3	126
21-27 - -	4	150	2	124	1	120	2	119	0	118	1	113	1	119	4	134	1	119	2	132	3	152	1	136	2	135	2	139	2	128
Aug. 28 to Sept. 3 -	6	156	6	130	5	125	4	123	4	122	5	118	5	124	6	140	5	124	6	138	7	159	6	142	6	141	7	146	6	134
Sept. 4-10 - -	6	162	6	136	5	130	4	127	5	127	4	122	5	129	5	145	6	130	6	144	5	164	5	147	5	146	6	152	5	139
11-17 - -	1	163	2	138	2	132	1	128	1	128	1	123	1	130	0	145	0	130	0	144	1	165	1	148	1	147	2	154	1	140
18-24 - -	4	167	5	143	5	137	4	132	5	133	5	128	5	135	5	150	5	135	5	149	5	170	5	153	5	152	6	160	5	145
25 to Oct. 1 -	5	172	6	149	6	143	7	139	5	138	6	134	6	141	5	155	5	140	6	155	6	176	5	158	5	157	7	167	5	150
Oct. 2-8 - -	6	178	3	152	4	147	5	144	4	142	4	138	4	145	4	159	3	143	4	159	4	180	3	161	4	161	4	171	4	154
9-15 - -	5	183	4	156	4	151	4	148	4	146	2	140	4	149	5	164	5	148	4	163	6	186	5	166	5	166	4	175	4	158
16-22 - -	7	190	5	161	5	156	6	154	6	152	5	145	5	154	7	171	6	154	6	169	7	193	6	172	6	172	7	182	6	164
23-29 - -	5	195	3	164	2	158	3	157	4	156	3	148	3	157	5	176	3	157	4	173	4	197	5	177	4	176	5	187	3	167
Oct. 30 to Nov. 5 -	5	200	3	167	3	161	3	160	3	159	3	151	3	160	4	180	4	161	4	177	5	202	4	181	4	180	3	190	3	170
Nov. 6-12 - -	6	206	4	171	4	165	5	165	4	163	5	156	4	164	5	185	4	165	7	184	5	207	5	186	5	185	7	197	5	175
13-19 - -	6	212	4	175	6	171	6	171	5	168	4	160	5	169</																

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.								
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.			
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.
NUMBER OF DAYS WITH RAIN.																														
1884.																														
Jan. 1-7	5	5	5	5	5	5	5	5	7	7	6	6	5	5	6	6	6	6	7	7	6	6	6	6	6	6	6	6	6	6
8-14	6	11	3	8	3	8	3	8	2	9	2	8	3	8	6	12	4	10	3	10	5	11	3	9	4	10	2	8	3	9
15-21	5	16	3	11	1	9	1	9	0	9	1	9	1	9	6	18	3	13	2	12	5	16	3	12	4	14	3	11	2	11
22-28	7	23	6	17	5	14	5	14	7	16	6	15	6	15	6	24	6	19	7	19	7	23	7	19	7	21	7	18	7	18
Jan. 29 to Feb. 4	6	29	5	22	6	20	5	19	5	21	5	20	5	20	6	30	6	25	6	25	5	28	5	24	6	27	5	23	6	24
Feb. 5-11	6	35	3	25	4	24	3	22	4	25	5	25	4	24	6	36	5	30	4	29	6	34	6	30	5	32	4	27	4	28
12-18	4	39	3	28	2	26	2	24	4	29	4	29	3	27	5	41	4	34	5	34	5	39	6	36	5	37	5	32	4	32
19-25	6	45	5	33	4	30	6	30	6	35	6	35	5	32	6	47	6	40	7	41	6	45	6	42	6	43	7	39	6	38
Feb. 26 to Mar. 3	5	50	4	37	4	34	3	33	3	38	3	38	3	35	3	50	3	43	6	47	6	51	6	48	5	48	5	44	4	42
Mar. 4-10	6	56	5	42	4	38	4	37	4	42	4	42	4	39	6	56	6	49	6	53	6	57	5	53	6	54	4	48	5	47
11-17	3	59	3	45	2	40	1	38	2	44	1	43	2	41	5	61	3	52	3	56	5	62	6	59	4	58	4	52	3	50
18-24	5	64	5	50	2	42	2	40	2	46	3	46	3	44	5	66	4	56	3	59	5	67	5	64	4	62	4	56	4	54
25-31	2	66	2	52	2	44	2	42	1	47	2	48	2	46	2	68	1	57	3	62	3	70	3	67	3	65	3	59	2	56
April 1-7	4	70	4	56	6	50	5	47	6	53	5	53	5	51	5	73	6	63	6	68	6	76	5	72	6	71	5	64	6	62
8-14	3	73	5	61	4	54	4	51	2	55	1	54	3	54	1	74	3	66	1	69	0	76	1	73	1	72	2	66	2	64
15-21	3	76	3	64	4	58	3	54	2	57	2	56	3	57	1	75	1	67	1	70	2	78	2	75	1	73	4	70	2	66
22-28	1	77	2	66	4	62	4	58	3	60	3	59	3	60	2	77	2	69	3	73	2	80	3	78	3	76	3	73	3	69
April 29 to May 5	7	84	5	71	6	68	6	64	5	65	5	64	5	65	7	84	6	75	6	79	7	87	6	84	6	82	5	78	5	74
May 6-12	5	89	4	75	3	71	2	66	2	67	3	67	3	68	5	89	3	78	3	82	5	92	4	88	4	86	3	81	4	78
13-19	6	95	5	80	2	73	2	68	2	69	2	69	3	71	6	95	3	81	3	85	6	98	5	93	5	91	4	85	4	82
20-26	3	98	1	81	1	74	0	68	1	70	1	70	1	72	2	97	0	81	1	86	1	99	1	94	1	92	1	86	1	83
May 27 to June 2	1	99	0	81	0	74	0	68	0	70	1	71	0	72	1	98	0	81	1	87	1	100	2	96	1	93	3	89	0	83
June 3-9	2	101	3	84	5	79	5	73	5	75	6	77	5	77	3	101	3	84	4	91	4	104	4	100	4	97	6	95	5	88
10-16	7	108	3	87	1	80	0	73	0	75	0	77	1	78	2	103	1	85	1	92	2	106	2	102	1	98	2	97	1	89
17-23	4	112	2	89	2	82	1	74	2	77	1	78	2	80	2	105	1	86	0	92	1	107	1	103	1	99	1	98	2	91
24-30	2	114	2	91	1	83	1	75	2	79	1	79	1	81	3	108	3	89	2	94	5	112	2	105	3	102	3	101	2	93
July 1-7	2	116	5	96	3	86	2	77	4	83	3	82	3	84	5	113	4	93	5	99	4	116	4	109	4	106	4	105	4	97
8-14	4	120	6	102	5	91	5	82	5	88	6	88	5	89	6	119	6	99	6	105	5	121	6	115	6	112	6	111	5	102
15-21	5	125	6	108	3	94	4	86	4	92	3	91	4	93	6	125	5	104	6	111	5	126	4	119	5	117	6	117	5	107
22-28	4	129	4	112	6	100	6	92	6	98	6	97	6	99	5	130	6	110	6	117	7	133	6	125	6	123	5	122	6	113
July 29 to Aug. 4	4	133	1	113	0	100	0	92	1	99	1	98	1	100	3	133	2	112	1	118	4	137	2	127	2	125	1	123	2	115
Aug. 5-11	2	135	3	116	2	102	1	93	1	100	1	99	1	101	2	135	1	113	1	119	2	139	1	128	1	126	2	125	1	116
12-18	4	139	3	119	1	103	2	95	1	101	1	100	2	103	4	139	2	115	3	122	6	145	3	131	4	130	2	127	3	119
19-25	5	144	2	121	2	105	3	98	2	103	2	102	2	105	4	143	1	116	1	123	4	149	2	133	3	133	2	129	2	121
Aug. 26 to Sept. 1	5	149	6	127	4	109	6	104	5	108	6	108	6	111	5	148	6	122	6	129	6	155	6	139	6	139	7	136	6	127
Sept. 2-8	5	154	2	129	4	113	6	110	4	112	6	114	4	115	4	152	5	127	6	135	6	161	5	144	5	144	5	141	5	132
9-15	1	155	2	131	1	114	1	111	2	114	2	116	2	117	2	154	2	129	3	138	1	162	2	146	2	146	2	143	2	134
16-22	5	160	3	134	1	115	1	112	2	116	2	118	2	119	3	157	3	132	3	141	3	165	2	148	3	149	4	147	2	136
23-29	7	167	5	139	3	118	1	113	3	119	5	123	3	122	6	163	5	137	5	146	6	171	5	153	5	154	6	153	4	140
Sept. 30 to Oct. 6	4	171	3	142	2	120	2	115	2	121	2	125	2	124	3	166	3	140	3	149	3	174	2	155	3	157	3	156	2	142
Oct. 7-13	6	177	6	148	5	125	6	121	5	126	6	131	6	130	5	171	4	144	6	155	7	181	4	159	5	162	6	162	6	148
14-20	5	182	2	150	2	127	1	122	2	128	0	131	1	131	3	174	5	149	5	160	4	185	4	163	4	166	6	168	2	150
21-27	4	186	3	153	2	129	3	125	3	131	2	133	3	134	4	178	3	152	3	163	5	190	5	168	4	170	3	171	4	154
Oct. 28 to Nov. 3	7	193	6	159	1	130	3	128	3	134	3	136	3	137	6	184	6	158	5	168	6	196	6	174	6	176	4	175	5	159
Nov. 4-10	6	199	5	164	3	133	4	132	5	139	4	140	4	141	5	189	4	162	5	173	5	201	5	179	5	181	4	179	5	164
11-17	3	202	3	167	3	136	3	135	1	140	0	140	2	143	2	191	1	163	2	175	2	2								

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—*continued.*

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.						
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.				MEANS FOR GRAZING, &c. DISTRICTS.					
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			Weekly.	Sums.	Weekly.	Sums.		
NUMBER OF DAYS WITH RAIN.																																
1883.																																
Jan. 2-8	4	4	1	1	4	4	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
9-15	4	8	2	3	4	8	4	7	6	10	6	10	5	8	5	8	5	8	5	8	5	8	6	9	5	8	5	8	5	8	5	8
16-22	4	12	3	6	3	11	3	10	3	13	5	15	3	11	4	12	5	13	5	13	6	14	6	15	5	13	4	12	4	12	4	12
23-29	6	18	6	12	6	17	5	15	6	19	6	21	6	17	7	19	7	20	6	19	7	21	7	22	7	20	7	19	7	19	7	19
Jan. 30 to Feb. 5	5	23	4	16	3	20	4	19	3	22	3	24	3	20	5	24	4	24	5	24	6	27	5	27	5	25	5	24	4	23	4	23
Feb. 6-12	6	29	6	22	7	27	6	25	7	29	7	31	7	27	7	31	7	31	7	31	7	34	6	33	7	32	7	31	7	30	7	30
13-19	5	34	5	27	5	32	5	30	5	34	5	36	5	32	7	38	5	36	6	37	6	40	6	39	6	38	6	37	6	36	6	36
20-26	6	40	3	30	1	33	2	32	1	35	1	37	2	34	3	41	2	38	3	40	3	43	3	42	3	41	3	40	2	38	2	38
Feb. 27 to Mar. 5	3	43	2	32	3	36	3	35	2	37	2	39	2	36	2	43	2	40	1	41	2	45	2	44	2	43	2	42	2	40	2	40
Mar. 6-12	6	49	5	37	6	42	6	41	3	40	2	41	4	40	2	45	2	42	1	42	3	48	3	47	2	45	6	48	3	43	3	43
13-19	6	55	7	44	5	47	5	46	4	44	3	44	5	45	5	50	4	46	5	47	6	54	4	51	5	50	7	55	5	48	5	48
20-26	5	60	4	48	4	51	3	49	3	47	2	46	3	48	2	52	2	48	4	51	4	58	2	53	3	53	3	58	3	51	3	51
27 to April 2	5	65	4	52	2	53	2	51	2	49	3	49	3	51	4	56	3	51	4	55	5	63	4	57	4	57	5	63	4	55	4	55
April 3-9	2	67	2	54	1	54	0	51	0	49	0	49	1	52	2	58	1	52	1	56	1	64	1	58	1	58	0	63	1	56	1	56
10-16	5	72	3	57	1	55	1	52	1	50	1	50	1	53	3	61	2	54	1	57	4	68	3	61	3	61	1	64	2	58	2	58
17-23	3	75	2	59	4	59	5	57	4	54	5	55	4	57	2	63	3	57	3	60	2	70	2	63	2	63	3	67	3	61	3	61
24-30	2	77	3	62	4	63	4	61	4	58	4	59	4	61	5	68	4	61	5	65	5	75	5	68	5	68	5	72	4	65	4	65
May 1-7	5	82	4	66	5	68	4	65	4	62	3	62	4	65	3	71	2	63	4	69	3	78	2	70	3	71	3	75	3	68	3	68
8-14	5	87	3	69	6	74	6	71	6	68	7	69	6	71	4	75	5	68	6	75	6	84	6	76	5	76	6	81	6	74	6	74
15-21	5	92	4	73	0	74	1	72	1	69	1	70	1	72	2	77	2	70	0	75	3	87	1	77	2	78	1	82	1	75	1	75
22-28	4	96	4	77	2	76	2	74	2	71	2	72	2	74	4	81	2	72	2	77	4	71	3	80	3	81	2	84	3	78	3	78
May 29 to June 4	4	100	2	79	1	77	0	74	0	71	0	72	1	75	4	85	1	73	2	79	4	95	3	83	3	84	3	87	2	80	2	80
June 5-11	2	102	1	80	1	78	1	75	3	74	2	74	2	77	1	86	1	74	3	82	3	98	3	86	2	86	3	90	2	82	2	82
12-18	5	107	4	84	5	83	4	79	4	78	3	77	4	81	4	90	4	78	5	87	6	104	5	91	5	91	3	93	4	86	4	86
19-25	3	110	4	88	4	87	5	84	5	83	5	82	4	85	5	95	6	84	6	93	5	109	5	96	5	96	7	100	5	91	5	91
26 to July 2	3	113	4	92	5	92	3	87	5	88	3	85	4	89	6	101	5	89	4	97	6	115	5	101	5	101	5	105	5	96	5	96
July 3-9	4	117	5	97	4	96	4	91	4	92	4	89	4	93	5	106	6	95	6	103	6	121	5	106	6	107	6	111	5	101	5	101
10-16	6	123	5	102	5	101	6	97	6	98	5	94	6	99	5	111	5	100	6	109	7	128	7	113	6	113	6	117	6	107	6	107
17-23	6	129	6	108	5	106	5	102	5	103	5	99	5	104	3	114	4	104	7	116	4	132	6	119	5	118	7	124	5	112	5	112
24-30	2	131	3	111	3	109	5	107	3	106	3	102	3	107	2	116	2	106	2	118	3	135	3	122	2	120	2	126	2	114	2	114
July 31 to Aug. 6	4	135	3	114	2	111	4	111	4	110	4	106	3	110	4	120	3	109	4	122	4	139	4	126	4	124	3	129	4	118	4	118
Aug. 7-13	6	141	6	120	6	117	4	115	5	115	3	109	5	115	6	126	5	114	4	126	6	145	6	132	5	129	4	133	5	123	5	123
14-20	5	146	2	122	2	119	2	117	3	118	3	112	3	118	4	130	4	118	4	130	4	149	3	135	4	133	4	137	3	126	3	126
21-27	4	150	2	124	1	120	2	119	0	118	1	113	1	119	4	134	1	119	2	132	3	152	1	136	2	135	2	139	2	128	2	128
Aug. 28 to Sept. 3	6	156	6	130	5	125	4	123	4	122	5	118	5	124	6	140	5	124	6	138	7	159	6	142	6	141	7	146	6	134	6	134
Sept. 4-10	6	162	6	136	5	130	4	127	5	127	4	122	5	129	5	145	6	130	6	144	5	164	5	147	5	146	6	152	5	139	5	139
11-17	1	163	2	138	2	132	1	128	1	128	1	123	1	130	0	145	0	130	0	144	1	165	1	148	1	147	2	154	1	140	1	140
18-24	4	167	5	143	5	137	4	132	5	133	5	128	5	135	5	150	5	135	5	149	5	170	5	153	5	152	6	160	5	145	5	145
25 to Oct. 1	5	172	6	149	6	143	7	139	5	138	6	134	6	141	5	155	5	140	6	155	6	176	5	158	5	157	7	167	5	150	5	150
Oct. 2-8	6	178	3	152	4	147	5	144	4	142	4	138	4	145	4	159	3	143	4	159	4	180	3	161	4	161	4	171	4	154	4	154
9-15	5	183	4	156	4	151	4	148	4	146	2	140	4	149	5	164	5	148	4	163	6	186	5	166	5	166	4	175	4	158	4	158
16-22	7	190	5	161	5	156	6	154	6	152	5	145	5	154	7	171	6	154	6	169	7	193	6	172	6	172	7	182	6	164	6	164
23-29	5	195	3	164	2	158	3	157	4	156	3	148	3	157	5	176	3	157	4	173	4	197	5	177	4	176	5	187	3	167	3	167
Oct. 30 to Nov. 5	5	200	3	167	3	161	3	160	3	159	3	151	3	160																		

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.				MEANS FOR GRAZING, &c. DISTRICTS.				
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			Weekly.	Sums.	Weekly.	Sums.	
NUMBER OF DAYS WITH RAIN.																															
1884.																															
Jan. 1-7	5	5	5	5	5	5	5	5	7	7	6	6	5	5	6	6	6	6	7	7	6	6	6	6	6	6	6	6	6	6	6
8-14	6	11	3	8	3	8	3	8	12	9	12	8	3	8	6	12	4	10	3	10	5	11	3	9	4	10	12	8	3	9	9
15-21	5	16	3	11	1	9	1	9	0	9	1	9	1	9	6	18	3	13	2	12	5	16	3	12	4	14	3	11	2	11	11
22-28	7	23	6	17	5	14	5	14	7	16	6	15	6	15	6	24	6	19	7	19	7	23	7	19	7	21	7	18	7	18	18
Jan. 29 to Feb. 4	6	29	5	22	6	20	5	19	5	21	5	20	5	20	6	30	6	25	6	25	5	28	5	24	6	27	5	23	6	24	24
Feb. 5-11	6	35	3	25	4	24	3	22	4	25	5	25	4	24	6	36	5	30	4	29	6	34	6	30	5	32	4	27	4	28	28
12-18	4	39	3	28	2	26	2	24	4	29	4	29	3	27	5	41	4	34	5	34	5	39	6	36	5	37	5	32	4	32	32
19-25	6	45	5	33	4	30	6	30	6	35	6	35	5	32	6	47	6	40	7	41	6	45	6	42	6	43	7	39	6	38	38
Feb. 26 to Mar. 3	5	50	4	37	4	34	3	33	3	38	3	38	3	35	3	50	3	43	6	47	6	51	6	48	5	48	5	44	4	42	42
Mar. 4-10	6	56	5	42	4	38	4	37	4	42	4	42	4	39	6	56	6	49	6	53	6	57	5	53	6	54	4	48	5	47	47
11-17	3	59	3	45	2	40	1	38	2	44	1	43	2	41	5	61	3	52	3	56	5	62	6	59	4	58	4	52	3	50	50
18-24	5	64	5	50	2	42	2	40	2	46	3	46	3	44	5	66	4	56	3	59	5	67	5	64	4	62	4	56	4	54	54
25-31	2	66	12	52	12	44	12	42	1	47	2	48	2	46	2	68	1	57	3	62	3	70	3	67	3	65	3	59	2	56	56
April 1-7	4	70	4	56	6	50	5	47	6	53	5	53	5	51	5	73	6	63	6	68	6	76	5	72	6	71	5	64	6	62	62
8-14	3	73	5	61	4	54	4	51	2	55	1	54	3	54	1	74	3	66	1	69	0	76	1	73	1	72	2	66	2	64	64
15-21	3	76	3	64	4	58	3	54	12	57	2	56	3	57	1	75	1	67	1	70	2	78	2	75	1	73	4	70	2	66	66
22-28	1	77	2	66	4	62	4	58	3	60	3	59	3	60	2	77	2	69	3	73	2	80	3	78	3	76	3	73	3	69	69
April 29 to May 5	7	84	5	71	6	68	6	64	5	65	5	64	5	65	7	84	6	75	6	79	7	87	6	84	6	82	5	78	5	74	74
May 6-12	5	89	4	75	3	71	2	66	2	67	3	67	3	68	5	89	3	78	3	82	5	92	4	88	4	86	3	81	4	78	78
13-19	6	95	5	80	2	73	2	68	2	69	2	69	3	71	6	95	3	81	3	85	6	98	5	93	5	91	4	85	4	82	82
20-26	3	98	1	81	1	74	0	68	1	70	1	70	1	72	2	97	0	81	1	86	1	99	1	94	1	92	1	86	1	83	83
May 27 to June 2	1	99	0	81	0	74	0	68	0	70	1	71	0	72	1	98	0	81	1	87	1	100	2	96	1	93	3	89	0	83	83
June 3-9	2	101	3	84	5	79	5	73	5	75	6	77	5	77	3	101	3	84	4	91	4	104	4	100	4	97	6	95	5	88	88
10-16	7	108	3	87	1	80	0	73	0	75	0	77	1	78	2	103	1	85	1	92	2	105	2	102	1	98	2	97	1	89	89
17-23	4	112	2	89	2	82	1	74	2	77	1	78	2	80	2	105	1	86	0	92	1	107	1	103	1	99	1	98	2	91	91
24-30	2	114	2	91	1	83	1	75	2	79	1	79	1	81	3	108	3	89	2	94	5	112	2	105	3	102	3	101	2	93	93
July 1-7	2	116	5	96	3	86	2	77	4	83	3	82	3	84	5	113	4	93	5	99	4	116	4	109	4	106	4	105	4	97	97
8-14	4	120	6	102	5	91	5	82	5	88	6	88	5	89	6	119	6	99	6	105	5	121	6	115	6	112	6	111	5	102	102
15-21	5	125	6	108	3	94	4	86	4	92	3	91	4	93	6	125	5	104	6	111	5	126	4	119	5	117	6	117	5	107	107
22-28	4	129	4	112	6	100	6	92	6	98	6	97	6	99	5	130	6	110	6	117	7	133	6	125	6	123	5	122	6	113	113
July 29 to Aug. 4	4	133	1	113	0	100	0	92	1	99	1	98	1	100	3	133	2	112	1	118	4	137	2	127	2	125	1	123	2	115	115
Aug. 5-11	2	135	3	116	2	102	1	93	1	100	1	99	1	101	2	135	1	113	1	119	2	139	1	128	1	126	2	125	1	116	116
12-18	4	139	3	119	1	103	2	95	1	101	1	100	2	103	4	139	2	115	3	122	6	145	3	131	4	130	2	127	3	119	119
19-25	5	144	2	121	2	105	3	98	2	103	2	102	2	105	4	143	1	116	1	123	4	149	2	133	3	133	2	129	2	121	121
Aug. 26 to Sept. 1	5	149	6	127	4	109	6	104	5	108	6	108	6	111	5	148	6	122	6	129	6	155	6	139	6	139	7	136	6	127	127
Sept. 2-8	5	154	2	129	4	113	6	110	4	112	6	114	4	115	4	152	5	127	6	135	6	161	5	144	5	144	5	141	5	132	132
9-15	1	155	2	131	1	114	1	111	2	114	2	116	2	117	2	154	2	129	3	138	1	162	2	146	2	146	2	143	2	134	134
16-22	5	160	3	134	1	115	1	112	2	116	2	118	2	119	3	157	3	132	3	141	3	165	2	148	3	149	4	147	2	136	136
23-29	7	167	5	139	3	118	1	113	3	119	5	123	3	122	6	163	5	137	5	146	6	171	5	153	5	154	6	153	4	140	140
Sept. 30 to Oct. 6	4	171	3	142	2	120	2	115	2	121	2	125	2	124	3	166	3	140	3	149	3	174	2	155	3	157	3	156	2	142	142
Oct. 7-13	6	177	6	148	5	125	6	121	5	126	4	131	6	130	5	171	4	144	6	155	7	181	4	159	5	162	6	162	6	148	148
14-20	5	182	2	150	2	127	1	122	2	128	0	131	1	131	3	174	5	149	5	160	4	185	4	163	4	166	6	168	2	150	150
21-27	4	186	3	153	2	129	3	125	3	131	2	133	3	134	4	178	3	152	3	163	5	190	5	168	4	170	3	171	4	154	154
Oct. 28 to Nov. 3	7	193	6	159	1	130	3	128	3	134	3	136	3	137	6	184	6	158	5	168	6	196	6	174	6	176	4	175	5	159	159
Nov. 4-10	6	199	5	164	3	133	4	132	5	139																					

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.				MEANS FOR GRAZING, &c. DISTRICTS.				
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			Weekly.	Sums.			
RAINFALL IN INCHES.																															
1878.																															
Jan. 1-7	-	0.78	0.78	0.40	0.40	0.63	0.63	0.68	0.68	0.48	0.48	0.38	0.38	0.51	0.51	0.72	0.72	1.18	1.18	0.65	0.65	0.78	0.78	1.34	1.34	0.94	0.94	0.79	0.79	0.73	0.73
8-14	-	0.60	1.38	0.11	0.51	0.42	1.05	0.16	0.84	0.11	0.59	0.14	0.52	0.19	0.70	0.59	1.31	0.71	1.89	0.06	0.71	0.44	1.22	0.27	1.61	0.41	1.35	0.05	0.84	0.30	1.03
15-21	-	0.94	2.32	0.59	1.10	0.37	1.42	0.18	1.02	0.20	0.79	0.11	0.63	0.29	0.99	2.43	3.74	0.49	2.38	0.25	0.96	1.44	2.66	0.46	2.07	1.03	2.38	0.11	0.95	0.66	1.69
22-28	-	1.09	3.41	0.71	1.81	0.95	2.37	0.85	1.87	0.94	1.73	0.72	1.35	0.84	1.83	1.86	5.60	1.12	3.50	1.37	2.33	1.56	4.22	1.25	3.32	1.41	3.79	1.54	2.49	1.12	2.81
Jan. 29 to Feb. 4	-	0.15	3.56	0.00	1.81	0.03	2.40	0.19	2.06	0.01	1.74	0.22	1.57	0.09	1.92	0.04	5.64	0.15	3.65	0.00	2.33	0.00	4.22	0.29	3.61	0.10	3.89	0.03	2.52	0.10	2.91
Feb. 5-11	-	0.49	4.05	0.03	1.84	0.03	2.43	0.03	2.09	0.06	1.80	0.14	1.71	0.06	1.98	0.05	5.69	0.02	3.67	0.17	2.50	0.04	4.26	0.26	3.87	0.11	4.00	0.13	2.65	0.08	2.99
12-18	-	0.35	4.40	0.56	2.40	0.77	3.20	0.75	2.84	0.70	2.50	0.94	2.65	0.74	2.72	0.99	6.68	0.55	4.22	0.92	3.42	1.02	5.28	1.27	5.14	0.95	4.95	1.00	3.65	0.85	3.84
19-25	-	0.60	5.00	0.12	2.52	0.05	3.25	0.03	2.87	0.10	2.60	0.07	2.72	0.08	2.80	0.53	7.21	0.30	4.52	0.17	3.59	0.24	5.52	0.33	5.47	0.31	5.26	0.14	3.79	0.19	4.03
Feb. 26 to Mar. 4	-	0.88	5.88	0.45	2.97	0.29	3.54	0.43	3.30	0.54	3.14	0.87	3.59	0.52	3.32	1.94	9.15	1.38	5.90	1.40	4.99	1.22	6.74	1.24	6.71	1.44	6.70	0.54	4.33	0.98	5.01
Mar. 5-11	-	1.69	7.57	0.42	3.39	0.23	3.77	0.19	3.49	0.14	3.28	0.11	3.70	0.22	3.54	1.27	10.42	0.61	6.51	0.18	5.17	0.47	7.21	0.38	7.09	0.58	7.28	0.21	4.54	0.40	5.41
12-18	-	0.19	7.76	0.00	3.39	0.05	3.82	0.08	3.57	0.00	3.28	0.04	3.74	0.03	3.57	0.02	10.44	0.00	6.51	0.00	5.17	0.04	7.25	0.06	7.15	0.02	7.30	0.02	4.56	0.03	5.44
19-25	-	0.71	8.47	0.30	3.69	0.29	4.11	0.32	3.89	0.12	3.40	0.12	3.86	0.23	3.80	0.18	10.62	0.17	6.68	0.27	5.44	0.39	7.64	0.18	7.33	0.24	7.54	0.58	5.14	0.23	5.67
26 to April 1	-	0.86	9.33	0.58	4.27	0.73	4.84	0.64	4.53	0.50	3.90	1.22	5.08	0.73	4.53	0.40	11.02	0.48	7.16	0.63	6.07	0.65	8.29	0.44	7.77	0.52	8.06	0.92	6.06	0.63	6.30
April 2-8	-	0.16	9.49	0.12	4.39	0.38	5.22	0.25	4.78	0.17	4.07	0.30	5.38	0.25	4.78	0.24	11.26	0.17	7.33	0.56	6.63	0.26	8.55	0.72	8.49	0.39	8.43	0.86	6.92	0.32	6.62
9-15	-	0.20	9.69	0.24	4.63	0.06	5.28	0.53	5.31	0.64	4.71	1.24	6.62	0.54	5.32	1.10	12.36	0.30	7.63	1.17	7.80	0.96	9.51	1.01	9.50	0.91	9.36	0.96	7.88	0.72	7.34
16-22	-	0.04	9.73	0.55	5.18	1.04	6.32	0.98	6.29	0.81	5.52	0.88	7.50	0.85	6.17	1.55	13.91	0.76	8.39	0.85	8.65	0.40	9.91	0.61	10.11	0.83	10.19	1.00	8.88	0.84	8.18
23-29	-	0.00	9.73	0.01	5.19	0.10	6.42	0.34	6.63	0.41	5.93	0.39	7.89	0.25	6.42	0.02	13.93	0.03	8.42	0.48	9.13	0.15	10.06	0.39	10.50	0.22	10.41	0.43	9.31	0.24	8.42
April 30 to May 6	-	0.19	9.92	0.18	5.37	0.31	6.73	0.11	6.74	0.48	6.41	0.17	8.06	0.25	6.67	0.46	14.39	0.42	8.84	0.74	9.87	0.50	10.56	0.80	11.30	0.58	10.99	1.21	10.52	0.42	8.84
May 7-13	-	0.10	10.02	0.58	5.95	0.96	7.69	1.72	8.46	1.92	8.33	1.05	9.11	1.25	7.92	0.75	15.14	1.34	10.18	1.41	11.28	0.98	11.54	1.63	12.93	1.22	12.21	0.94	11.46	1.23	10.07
14-20	-	1.15	11.17	1.22	7.17	1.22	8.91	1.20	9.66	1.42	9.75	0.76	9.87	1.16	9.08	1.53	16.67	1.29	11.47	1.62	12.90	1.98	13.52	1.94	14.87	1.67	13.88	0.83	12.29	1.42	11.49
21-27	-	0.48	11.65	0.47	7.64	0.76	9.67	0.79	10.45	0.87	10.62	0.70	10.57	0.72	9.80	0.62	17.29	0.88	12.35	1.28	14.18	0.74	14.26	1.21	16.08	0.95	14.83	0.73	13.02	0.83	12.32
May 28 to June 3	-	0.05	11.70	0.04	7.68	0.37	10.04	0.40	10.85	0.59	11.21	0.76	11.33	0.43	10.23	0.29	17.58	0.52	12.87	0.59	14.77	0.06	14.32	0.58	16.66	0.41	15.24	0.59	13.61	0.42	12.74
June 4-10	-	0.74	12.44	1.58	9.26	1.14	11.18	0.40	11.25	0.99	12.20	0.42	11.75	0.90	11.13	1.35	18.93	1.54	14.41	1.10	15.87	1.30	15.62	1.69	18.35	1.40	16.64	0.80	14.41	1.15	13.89
11-17	-	0.03	12.47	0.49	9.75	0.82	12.00	0.96	12.21	0.57	12.77	0.70	12.45	0.71	11.84	0.36	19.29	0.89	15.30	0.62	16.49	0.63	16.25	0.83	19.18	0.66	17.30	0.64	15.05	0.60	14.58
18-24	-	0.31	12.78	0.25	10.00	0.45	12.45	0.47	12.68	0.12	12.89	0.25	12.70	0.31	12.15	0.41	19.70	0.12	15.42	0.08	16.57	0.52	16.77	1.00	20.18	0.43	17.73	0.08	15.13	0.37	14.95
25-31	-	0.24	13.02	0.49	10.49	0.03	12.48	0.04	12.72	0.20	13.09	0.74	13.44	0.30	12.45	0.04	19.74	0.02	15.44	1.13	17.70	0.60	17.37	1.46	21.64	0.65	18.38	1.53	16.66	0.47	15.42
July 1-8	-	1.65	14.67	0.19	10.68	0.09	12.57	0.08	12.80	0.09	13.18	0.13	13.57	0.12	12.57	0.62	20.36	0.09	15.53	0.18	17.88	0.32	17.69	0.26	21.90	0.29	18.67	0.37	17.03	0.21	15.63
9-15	-	0.22	14.89	0.03	10.71	0.04	12.61	0.04	12.84	0.04	12.22	0.25	13.82	0.08	12.65	0.17	20.53	0.20	15.73	0.66	18.54	0.14	17.83	0.27	22.17	0.29	19.96	0.32	17.35	0.18	15.81
16-22	-	0.23	15.12	0.02	10.73	0.03	12.63	0.18	13.02	0.08	13.30	0.08	13.90	0.08	12.73	0.10	20.63	0.01	15.74	0.34	18.88	0.01	17.84	0.00	22.17	0.09	19.05	0.20	17.55	0.09	15.41
23-29	-	0.19	15.31	0.31	11.04	0.61	13.25	0.65	13.67	1.32	14.62	1.42	14.32	0.66	13.39	0.23	20.86	0.57	16.31	0.38	19.46	0.63	18.47	1.16	23.33	0.64	19.69	0.72	18.27	0.65	16.55
July 30 to Aug. 5	-	0.00	15.31	0.18	11.22	1.22	14.47	0.63	14.30	1.36	15.98	1.03	15.35	0.08	14.27	0.22	21.08	0.66	16.97	0.61	20.07	0.26	18.73	0.68	24.01	0.49	20.18	0.09	18.36	0.69	17.24
Aug. 6-12	-	0.63	15.94	1.26	12.48	1.50	15.97	0.79	15.09	1.27	17.25	0.41	15.76	1.05	15.32	1.72	22.80	1.54	18.51	1.20	21.27	0.97	19.70	0.96	24.97	1.28	21.46	0.79	19.15	1.16	18.40
13-19	-	0.29	16.23	1.38	13.86	1.04	17.01	1.14	16.23	0.99	18.24	1.05	16.81	1.12	16.44	0.82	23.62	1.45	19.96	1.02	22.29	1.08	20.78	1.95	26.92	1.26	22.72	0.77	19.92	1.19	19.59
20-26	-	0.20	16.43	0.28	14.14	0.64	17.65	0.71	16.94	1.48	19.72	1.66	18.47	0.95	17.39	0.18	23.80	0													

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT, FOR EACH WEEK IN THE SEVEN YEARS, 1878 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.		
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.							
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.				
RAINFALL IN INCHES.																																
1879.																																
Dec. 31 to Jan 6	0.92	0.92	0.38	0.38	0.09	0.09	1.09	1.09	0.91	0.91	2.15	2.15	0.92	0.92	0.20	0.20	0.21	0.21	2.68	2.68	0.50	0.50	0.94	0.94	0.91	0.91	2.73	2.73	0.92	0.92		
Jan. 7-13	0.22	1.14	0.61	0.99	0.46	0.55	0.20	1.29	0.23	1.14	0.28	2.43	0.36	1.28	1.12	1.32	0.67	0.88	0.91	3.59	0.80	1.30	1.25	2.19	0.95	1.86	1.19	3.92	0.65	1.57		
14-20	0.24	1.38	0.49	1.48	0.51	1.06	0.63	1.92	0.96	2.10	0.98	3.41	0.71	1.99	0.77	2.09	0.82	1.70	1.36	4.95	0.69	1.99	1.67	3.86	1.06	2.92	1.16	5.08	0.89	2.46		
21-27	0.23	1.61	0.06	1.54	0.12	1.18	0.02	1.94	0.00	2.10	0.03	3.44	0.05	2.04	0.03	2.12	0.00	1.70	0.99	5.04	0.07	2.06	0.01	3.87	0.04	2.96	0.12	5.20	0.04	2.50		
Jan. 28 to Feb. 3	0.16	1.77	0.27	1.81	0.30	1.48	0.18	2.12	0.41	2.51	0.49	3.93	0.33	2.37	0.16	2.28	0.49	2.19	1.01	6.05	0.35	2.41	1.16	5.03	0.63	3.59	1.05	6.25	0.48	2.98		
Feb. 4-10	0.32	2.09	0.28	2.09	0.80	2.28	1.36	3.48	1.17	3.68	1.63	5.56	1.05	3.42	1.45	3.73	1.37	3.56	1.73	7.78	0.64	3.05	2.08	7.11	1.46	5.05	1.52	7.77	1.26	4.24		
11-17	0.16	2.25	1.52	3.61	1.26	3.54	1.08	4.56	0.75	4.43	0.96	6.52	1.11	4.53	0.85	4.58	0.71	4.27	1.06	8.84	0.83	3.88	1.35	8.46	0.96	6.01	1.09	8.86	1.03	5.27		
18-24	0.35	2.60	0.31	3.92	0.52	4.06	0.28	4.84	0.53	4.96	0.59	7.11	0.45	4.98	0.23	4.81	0.39	4.66	0.97	9.81	0.30	4.18	0.61	9.07	0.50	6.51	1.13	9.99	0.48	5.75		
Feb. 25 to Mar. 3	0.62	3.22	0.42	4.34	0.18	4.24	0.29	5.13	0.26	5.22	0.41	7.52	0.31	5.29	0.82	5.63	0.54	5.20	0.44	10.25	0.39	4.57	0.26	9.33	0.49	7.00	0.37	10.36	0.40	6.15		
Mar. 4-10	0.80	4.02	0.75	5.09	0.05	4.29	0.14	5.27	0.14	5.36	0.08	7.60	0.23	5.52	0.89	6.52	0.32	5.52	0.18	10.43	0.60	5.17	0.19	9.52	0.43	7.43	0.12	10.48	0.33	6.48		
11-17	0.78	4.80	1.09	6.18	0.40	4.69	0.21	5.48	0.33	5.69	0.10	7.70	0.43	5.95	1.32	7.84	0.90	6.42	0.20	10.63	0.90	6.07	0.68	10.20	0.80	8.23	0.17	10.65	0.62	7.10		
18-24	0.26	5.06	0.31	6.49	0.13	4.82	0.08	5.56	0.06	5.75	0.11	7.81	0.14	6.09	0.33	8.17	0.06	6.48	0.05	10.68	0.12	6.19	0.12	10.32	0.14	8.37	0.23	10.88	0.14	7.24		
25-31	0.39	5.45	0.44	6.93	0.29	5.11	0.65	6.21	0.36	6.11	0.38	8.19	0.42	6.51	0.37	8.54	0.17	6.65	0.52	11.20	0.49	6.68	0.86	11.18	0.48	8.85	0.91	11.79	0.45	7.69		
April 1-7	0.77	6.22	0.77	7.70	0.58	5.69	0.54	6.75	0.59	6.70	0.79	8.98	0.65	7.16	0.76	9.30	0.43	7.08	0.82	12.02	0.76	7.44	1.17	12.35	0.79	9.64	0.74	12.53	0.72	8.41		
8-14	0.15	6.37	0.80	8.50	0.79	6.48	0.96	7.71	0.85	7.55	0.78	9.76	0.84	8.00	0.40	9.70	0.36	7.44	0.64	12.66	0.31	7.75	0.41	12.76	0.43	10.07	0.47	13.00	0.63	9.04		
15-21	0.21	6.58	0.19	8.69	0.22	6.70	0.05	8.36	0.34	7.89	0.68	10.44	0.42	8.42	0.20	9.90	0.26	7.70	0.60	13.26	0.31	8.06	0.95	13.71	0.46	10.53	0.61	13.61	0.44	9.48		
22-28	0.27	6.85	0.60	9.29	0.55	7.25	0.37	8.73	0.51	8.40	0.47	10.91	0.50	8.92	0.42	10.32	0.70	8.40	0.73	13.99	0.46	8.52	0.64	14.35	0.59	11.12	0.54	14.15	0.45	10.03		
April 29 to May 5	0.29	7.14	0.08	9.37	0.15	7.40	0.22	8.95	0.14	8.54	0.56	11.47	0.23	9.15	0.23	10.55	0.23	8.63	0.18	14.17	0.04	8.56	0.05	14.40	0.15	11.27	0.03	14.18	0.19	10.22		
May 6-12	0.38	7.52	0.16	9.53	0.26	7.66	0.10	9.05	0.17	8.71	0.16	11.63	0.17	9.32	0.37	10.92	0.29	8.92	0.28	14.45	0.59	9.15	0.15	14.55	0.34	11.61	0.26	14.44	0.26	10.48		
13-19	0.31	7.83	0.29	9.82	0.98	8.64	0.88	9.93	1.07	9.78	0.54	12.17	0.75	10.07	0.80	11.72	0.62	9.54	0.66	15.11	1.41	10.56	1.11	15.66	0.92	12.53	0.66	15.10	0.83	11.31		
20-26	0.83	8.66	0.60	10.51	0.88	9.52	1.16	11.09	0.48	10.26	0.50	12.67	0.74	10.81	0.89	12.61	0.84	10.38	0.39	15.50	0.94	11.50	0.67	16.33	0.74	13.27	0.40	15.50	0.74	12.05		
May 27 to June 2	0.53	9.19	1.12	11.63	0.85	10.37	1.55	12.64	1.22	11.48	2.53	15.20	1.46	12.27	0.54	13.15	0.50	10.88	1.29	16.79	0.27	11.77	0.51	16.84	0.62	13.89	1.26	16.76	1.04	13.09		
June 3-9	0.26	9.45	1.07	12.70	0.85	11.22	0.93	13.57	1.46	12.94	0.69	15.89	1.00	13.27	1.40	14.55	1.39	12.27	1.15	17.94	1.17	12.94	1.31	18.15	1.29	15.18	0.88	17.64	1.14	14.23		
10-16	0.02	9.47	0.33	13.08	0.86	12.08	1.15	14.72	1.62	14.56	1.04	16.93	1.01	14.28	0.75	15.30	0.96	13.23	2.16	20.10	0.86	13.80	1.25	19.40	1.20	16.38	1.25	18.89	1.10	15.53		
17-23	0.21	9.68	0.86	13.94	0.47	12.55	0.43	15.15	0.45	15.01	0.50	17.43	0.54	14.82	1.14	16.44	0.70	13.93	0.61	20.71	0.77	14.57	1.44	20.84	0.93	17.31	0.67	19.56	0.74	16.07		
24-30	0.24	9.92	1.31	15.25	0.88	13.43	1.11	16.26	1.14	16.15	1.02	18.45	1.09	15.91	2.01	18.45	1.09	15.02	1.79	22.50	2.08	16.65	1.94	22.78	1.78	19.09	1.16	20.72	1.44	17.51		
July 1-7	1.04	10.96	1.14	16.39	0.59	14.02	0.97	17.23	0.63	16.78	1.25	19.70	0.92	16.83	1.46	19.91	1.75	16.77	0.98	23.48	1.64	18.29	1.28	24.06	1.42	20.51	0.83	21.55	1.17	18.68		
8-14	0.22	11.18	0.97	17.36	1.12	15.14	0.91	18.14	1.06	17.84	0.69	20.39	0.95	17.78	0.63	20.54	0.67	17.44	0.58	24.06	1.03	19.32	0.78	24.84	0.74	21.25	0.45	22.00	0.85	19.53		
15-21	0.51	11.69	0.97	18.33	1.54	16.68	1.79	19.93	0.90	18.74	1.11	21.50	1.26	19.04	1.23	21.77	0.89	18.33	1.17	25.23	1.64	20.96	0.89	25.73	1.16	22.41	0.48	22.48	1.21	20.74		
22-28	0.36	12.05	0.22	18.55	0.24	16.92	0.22	20.15	0.15	18.89	0.04	21.54	0.17	19.21	0.87	22.64	0.50	18.83	0.26	25.49	1.06	22.02	0.84	26.57	0.71	23.12	0.12	22.60	0.44	21.18		
July 29 to Aug. 4	0.94	12.99	1.19	19.74	0.67	17.59	2.57	22.72	1.30	20.19	0.92	22.46	1.33	20.54	1.36	24.00	1.22	20.05	1.62	27.01	0.67	22.69	0.79	27.36	1.11	24.23	1.04	23.64	1.22	22.40		
Aug. 5-11	1.02	14.01	1.15	20.89	0.67	18.26	0.15	22.87	0.42	20.61	0.32	23.78	0.54	21.08	1.29	25.29	1.64	21.69	0.71	27.72	0.43	23.12	1.15	28.51	1.04	25.27	0.89	24.53	0.79	23.19		
12-18	0.74	14.75	0.60	21.55	0.83	19.09	0.56	23.41	0.49	23.01	1.02	25.80	0.91	21.99	0.88	26.17	1.63	23.32	0.82	28.54	0.95	24.07	0.56	29.07	0.97	26.24	0.79	26.24	0.94	24.13		
19-25	1.11	15.86	0.79	22.34	0.60	19.69	1.39	24.81	0.91	23.01	2.18.																					

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT, FOR EACH WEEK IN THE SEVEN YEARS, 1878 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.				
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.				MEANS FOR GRAZING, &c. DISTRICTS.			
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			Weekly.	Sums.	Weekly.	Sums.
RAINFALL IN INCHES.																														
1880.																														
Dec. 30 to Jan. 5	0.93	0.93	0.73	0.73	0.31	0.31	0.29	0.29	0.43	0.43	0.58	0.58	0.47	0.47	1.50	1.50	1.21	1.21	0.78	0.78	1.49	1.49	1.16	1.16	1.23	1.23	0.52	0.52	0.85	0.85
Jan. 6-12	0.01	0.94	0.03	0.76	0.01	0.32	0.02	0.31	0.02	0.45	0.02	0.60	0.02	0.49	0.05	1.55	0.02	1.23	0.19	0.97	0.01	1.50	0.02	1.18	0.06	1.29	0.06	0.58	0.04	0.89
13-19	0.87	1.81	0.38	1.14	0.22	0.54	0.19	0.50	0.42	0.87	0.40	1.00	0.32	0.81	0.26	1.81	0.40	1.63	0.40	1.37	0.61	2.11	0.36	1.54	0.40	1.69	0.61	1.19	0.36	1.25
20-26	0.21	2.02	0.02	1.16	0.02	0.56	0.04	0.54	0.00	0.87	0.03	1.03	0.02	0.83	0.11	1.92	0.00	1.63	0.00	1.37	0.03	2.14	0.30	1.84	0.09	1.78	0.00	1.19	0.06	1.31
Jan. 27 to Feb. 2	0.45	2.47	0.35	1.51	0.01	0.57	0.03	0.57	0.01	0.88	0.03	1.06	0.08	0.91	1.96	3.88	0.08	1.71	0.10	1.47	0.57	2.71	0.93	2.77	0.73	2.51	0.06	1.25	0.41	1.72
Feb. 3-9	0.70	3.17	0.80	2.31	0.40	0.97	0.55	1.12	0.52	1.40	0.77	1.83	0.61	1.52	1.47	5.35	0.74	2.45	0.90	2.37	0.54	3.25	1.08	3.85	0.95	3.46	0.88	2.13	0.78	2.50
10-16	0.41	3.58	0.53	2.84	0.69	1.66	0.72	1.84	1.11	2.51	1.23	3.06	0.86	2.38	0.86	6.21	0.46	2.91	1.55	3.92	1.06	4.31	1.90	5.75	1.16	4.62	0.81	2.94	1.01	3.51
17-23	0.87	4.45	0.69	3.53	0.47	2.13	0.89	2.73	0.74	3.25	0.86	3.92	0.73	3.11	0.91	7.12	0.68	3.59	1.02	4.94	0.59	4.90	0.90	6.65	0.82	5.44	1.28	4.22	0.77	4.28
Feb. 24 to Mar. 1	1.73	6.18	0.56	4.09	0.08	2.21	0.08	2.81	0.22	3.47	0.23	4.15	0.24	3.35	0.90	8.02	0.92	4.51	0.37	5.31	0.88	5.78	0.77	7.42	0.77	6.21	0.22	4.44	0.51	4.79
Mar. 2-8	0.40	6.58	0.63	4.72	0.64	2.85	0.48	3.29	0.65	4.12	0.48	4.63	0.58	3.93	1.27	9.29	1.29	5.80	0.78	6.09	1.05	6.83	0.86	8.28	1.05	7.26	0.49	4.93	0.82	5.61
9-15	0.75	7.33	0.76	5.48	0.32	3.17	0.02	3.31	0.22	4.34	0.04	4.67	0.27	4.20	0.94	10.23	0.33	6.13	0.26	6.35	0.44	7.27	0.89	9.17	0.57	7.83	0.50	5.23	0.42	6.03
16-22	0.00	7.33	0.00	5.48	0.00	3.17	0.01	3.32	0.00	4.34	0.00	4.67	0.00	4.20	0.01	10.24	0.04	6.17	0.21	6.56	0.16	7.43	0.52	9.69	0.19	8.02	0.50	5.73	0.09	6.12
23-29	0.03	7.36	0.01	5.49	0.01	3.18	0.03	3.35	0.00	4.34	0.01	4.68	0.01	4.21	0.04	10.28	0.06	6.23	0.37	6.93	0.07	7.50	0.14	9.83	0.13	8.15	0.22	5.95	0.07	6.19
Mar. 30 to April 5	0.84	8.20	0.58	6.07	1.41	4.59	1.14	4.49	1.15	5.49	0.94	5.62	1.04	5.25	1.64	11.92	1.08	7.31	1.67	8.60	1.08	8.58	1.27	11.10	1.35	9.50	1.50	7.45	1.19	7.38
April 6-12	0.08	8.28	0.34	6.41	0.37	4.96	0.32	4.81	0.22	5.71	0.28	5.90	0.31	5.56	0.39	12.31	0.16	7.47	0.20	8.80	0.50	9.08	0.38	11.48	0.33	9.83	0.13	7.58	0.32	7.70
13-19	0.28	8.56	0.75	7.16	0.74	5.70	0.96	5.77	0.56	6.27	1.05	6.95	0.81	6.37	1.05	13.36	0.28	7.75	0.66	9.46	1.06	10.14	1.52	13.00	0.91	10.74	1.67	9.25	0.86	8.56
20-26	0.76	9.32	1.12	8.28	0.36	6.06	0.34	6.11	0.15	6.42	0.17	7.12	0.43	6.80	1.29	14.65	0.36	8.11	0.18	9.64	1.17	11.31	0.89	13.89	0.78	11.52	0.09	9.34	0.61	9.17
April 27 to May 3	0.13	9.45	0.10	8.38	0.02	6.08	0.07	6.18	0.03	6.45	0.09	7.21	0.06	6.86	0.03	14.68	0.04	8.15	0.14	9.78	0.15	11.46	0.18	14.07	0.11	11.63	0.03	9.37	0.09	9.26
May 4-10	0.17	9.62	0.08	8.46	0.31	6.39	0.27	6.45	0.23	6.68	0.05	7.26	0.19	7.05	0.06	14.74	0.06	8.21	0.08	9.86	0.05	11.51	0.09	14.16	0.07	11.70	0.04	9.41	0.13	9.39
11-17	0.02	9.64	0.01	8.47	0.06	6.45	0.04	6.49	0.13	6.81	0.08	7.34	0.07	7.12	0.02	14.76	0.02	8.23	0.01	9.87	0.08	11.59	0.18	14.34	0.06	11.76	0.05	9.46	0.06	9.45
18-24	0.86	10.50	0.29	8.76	0.10	6.55	0.13	6.62	0.07	6.88	0.02	7.36	0.12	7.24	0.70	15.46	0.29	8.52	0.02	9.89	0.48	12.07	0.23	14.57	0.34	12.10	0.00	9.46	0.23	9.68
May 25-31	0.49	10.99	0.45	9.21	0.91	7.46	0.44	7.06	1.31	8.19	0.26	7.62	0.68	7.92	0.61	16.07	1.45	9.97	1.03	10.92	0.79	12.86	0.74	15.31	0.92	13.02	1.00	10.46	0.80	10.48
June 1-7	0.48	11.47	0.40	9.61	0.64	8.10	0.90	7.96	0.74	8.93	0.49	8.11	0.63	8.55	0.48	16.55	0.85	10.82	0.28	11.20	0.76	13.62	0.16	15.47	0.51	13.53	0.17	10.63	0.57	11.05
8-14	0.27	11.74	0.27	9.88	0.64	8.74	0.31	8.27	0.39	9.32	0.25	8.36	0.37	8.92	0.35	16.90	0.73	11.55	0.44	11.64	0.79	14.41	0.89	16.36	0.64	14.17	0.59	11.22	0.51	11.56
15-21	0.02	11.76	0.24	10.12	0.68	9.42	0.72	8.99	0.92	10.24	1.16	9.52	0.74	9.66	0.21	17.11	0.68	12.23	0.52	12.16	0.66	15.07	0.71	17.07	0.66	14.73	0.41	11.63	0.65	12.21
22-28	0.48	12.24	0.27	10.39	0.40	9.82	0.65	9.64	1.26	11.50	0.32	10.14	0.64	10.30	1.13	18.24	0.66	12.89	0.16	12.32	0.95	16.02	0.60	17.67	0.70	15.43	0.31	11.94	0.67	12.88
June 29 to July 5	0.24	12.48	1.30	11.69	0.21	10.03	1.01	10.65	0.54	12.04	0.44	10.58	0.70	11.00	1.13	19.37	0.53	13.42	0.35	12.67	1.28	17.30	0.70	18.57	0.80	16.23	0.45	12.39	0.75	13.63
July 6-12	0.67	13.15	1.42	13.11	1.14	11.17	0.82	11.47	1.52	13.56	0.61	11.19	1.10	12.10	0.68	20.05	1.11	14.53	1.16	13.83	0.87	18.17	1.20	19.97	1.00	17.23	0.53	12.92	1.05	14.68
13-19	0.09	13.24	0.37	13.48	1.75	12.92	0.93	12.40	2.00	15.56	0.84	12.03	1.18	13.28	1.07	21.12	1.63	16.16	0.55	14.18	0.72	18.89	1.83	21.40	1.12	18.35	0.04	12.96	1.15	15.85
20-26	0.06	13.30	0.55	13.83	0.79	13.71	1.31	13.71	1.24	16.80	1.19	13.22	0.98	14.26	0.35	21.47	1.21	17.37	1.20	15.38	1.39	20.28	1.80	22.40	1.03	19.38	1.22	14.18	1.01	16.84
July 27 to Aug. 2	1.18	14.48	1.23	15.06	0.78	14.49	0.90	14.61	1.18	17.98	1.27	14.49	1.08	15.34	1.17	22.64	0.90	18.27	1.03	16.41	1.33	21.61	0.98	23.38	1.08	20.46	0.48	14.66	1.03	17.92
Aug. 3-9	1.34	15.82	0.48	15.54	0.91	15.40	1.05	15.66	0.81	18.79	0.46	14.95	0.74	16.08	0.94	23.58	1.77	20.04	0.35	16.76	1.14	22.75	1.26	24.64	1.09	21.55	0.32	14.98	0.91	18.83
10-16	0.00	15.82	0.01	15.55	0.01	15.41	0.03	15.69	0.00	18.79	0.00	14.95	0.01	16.09	0.01	23.59	0.00	20.04	0.01	16.77	0.04	22.79	0.23	24.87	0.06	21.61	0.02	15.00	0.04	18.87
17-23	0.22	16.04	0.02	15.57	0.11	15.52	0.08	15.77	0.01	18.80	0.04	14.99	0.05	16.14	0.00	23.59	0.00	20.04	0.01	16.78	0.00	22.79	0.13	25.00	0.03	21.64	0.38	15.38	0.04	18

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT, FOR EACH WEEK IN THE SEVEN YEARS, 1878 TO 1884—*continued.*

DATE. — LIMIT OF WEEKS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.				
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT- PRODUCING DIS- TRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.						MEANS FOR GRAZ- ING, &c. DIS- TRICTS.		
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.					Weekly.	Sums.	
RAINFALL IN INCHES.																															
1881.																															
Jan. 4-10	-	0.10	0.10	0.03	0.03	0.06	0.06	0.08	0.08	0.02	0.02	0.01	0.01	0.04	0.04	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.03	0.03	0.02	0.02	0.06	0.06	0.03	0.03
11-17	-	1.05	1.15	0.43	0.46	0.31	0.37	0.29	0.37	0.12	0.14	0.10	0.11	0.25	0.29	0.21	0.23	0.53	0.55	0.00	0.61	0.38	0.39	0.69	0.72	0.48	0.50	0.80	0.86	0.37	0.40
18-24	-	0.98	2.10	0.81	1.27	0.22	0.59	0.25	0.62	0.21	0.35	0.59	0.70	0.41	0.70	0.07	0.30	0.06	0.61	0.28	0.89	0.07	0.46	0.08	0.80	0.11	0.61	0.56	1.42	0.26	0.66
25-31	-	0.25	2.35	0.23	1.50	0.12	0.71	0.48	1.10	0.29	0.64	0.78	1.48	0.38	1.08	0.41	0.71	0.31	0.92	1.07	1.06	0.29	0.75	0.61	1.41	0.64	1.15	1.13	2.55	0.46	1.12
Feb. 1-7	-	2.20	4.55	1.54	3.04	0.84	1.55	0.90	2.00	1.32	1.96	0.90	2.38	1.10	2.18	2.11	2.82	1.55	2.47	1.76	3.72	1.71	2.46	1.62	3.03	1.75	2.90	1.49	4.04	1.43	2.55
8-14	-	0.48	5.03	1.30	4.34	1.52	3.07	1.27	3.27	1.77	3.73	1.27	3.65	1.42	3.60	2.34	5.16	2.22	4.69	2.21	5.93	1.39	3.85	1.76	4.79	1.98	4.88	1.46	5.50	1.70	4.25
15-21	-	0.10	5.13	0.07	4.41	0.30	3.37	0.36	3.63	0.31	4.04	0.30	3.95	0.27	3.87	0.02	5.18	0.02	4.71	0.09	6.02	0.24	4.09	0.59	5.38	0.19	5.07	0.14	5.64	0.23	4.48
22-28	-	0.63	5.76	0.59	5.00	0.56	3.93	0.49	4.03	0.31	4.35	0.22	4.17	0.42	4.29	0.44	5.62	0.46	5.17	0.22	6.24	0.22	4.31	0.23	5.61	0.32	5.39	0.75	6.39	0.37	4.85
Mar. 1-7	-	0.35	6.11	0.92	5.92	1.57	5.50	1.10	5.13	1.57	5.92	1.76	5.93	1.38	5.67	1.21	6.83	1.31	6.48	1.89	8.13	1.32	5.63	1.74	7.35	1.40	6.88	1.18	7.57	1.44	6.29
8-14	-	0.51	6.62	0.48	6.40	0.31	5.81	0.20	5.33	0.20	6.12	0.13	6.06	0.26	5.93	1.41	8.24	1.11	7.59	0.67	8.80	0.95	6.58	0.60	7.95	0.95	7.83	0.16	7.73	0.69	6.89
15-21	-	1.00	7.62	0.47	6.87	0.12	5.93	0.14	5.47	0.08	6.20	0.07	6.13	0.18	6.11	0.38	8.62	0.32	7.91	0.06	8.86	0.44	7.02	0.09	8.04	0.26	8.09	0.02	7.75	0.22	7.11
22-28	-	1.05	8.67	0.45	7.32	0.32	6.25	0.29	5.76	0.19	6.39	0.55	6.68	0.36	6.47	0.90	9.52	0.70	8.61	0.74	9.60	0.72	7.74	0.70	8.74	0.75	8.84	1.18	8.93	0.56	7.67
29 to April 4	-	0.50	9.17	0.05	7.37	0.05	6.30	0.00	5.76	0.00	6.39	0.00	6.68	0.02	6.49	0.00	9.52	0.00	8.61	0.11	9.71	0.00	7.74	0.00	8.74	0.02	8.86	0.05	8.98	0.02	7.69
April 5-11	-	0.07	9.24	0.04	7.41	0.22	6.52	0.09	5.85	0.26	6.65	0.26	6.94	0.18	6.67	0.15	9.67	0.31	8.92	0.32	10.03	0.22	7.96	0.36	9.10	0.27	9.13	0.22	9.20	0.22	7.91
12-18	-	0.09	9.33	0.26	7.67	0.22	6.72	0.46	6.31	0.42	7.07	0.08	7.02	0.28	6.95	0.50	10.17	0.65	9.57	0.28	10.31	0.80	8.76	0.33	9.43	0.61	9.04	0.23	9.43	0.40	8.31
19-25	-	0.58	9.91	0.23	7.90	0.30	7.02	0.33	6.64	0.16	7.23	0.12	7.14	0.23	7.18	0.49	10.66	0.22	9.79	0.22	10.53	0.34	9.10	0.14	9.67	0.28	9.92	0.11	9.54	0.25	8.56
26 to May 2	-	0.32	10.23	0.76	8.66	0.63	7.65	0.31	6.95	0.21	7.44	0.44	7.58	0.47	7.65	0.51	11.17	0.41	10.20	0.69	11.22	0.36	9.46	0.82	10.39	0.56	10.48	0.46	10.00	0.52	9.08
May 3-9	-	0.47	10.70	0.29	8.95	0.21	7.86	0.09	7.04	0.16	7.60	0.05	7.63	0.16	7.81	1.00	12.17	1.19	11.39	0.09	11.31	0.64	10.10	0.23	10.62	0.63	11.11	0.06	10.06	0.39	9.47
10-16	-	1.18	11.88	0.64	9.59	0.23	8.09	0.03	7.07	0.15	7.75	0.09	7.72	0.23	8.04	0.77	12.94	0.87	12.26	0.52	11.83	0.66	10.76	1.02	11.64	0.77	11.88	0.10	10.16	0.50	9.97
17-23	-	0.75	12.63	0.84	10.43	0.14	8.23	0.45	7.52	0.46	8.21	0.54	8.26	0.49	8.53	1.00	13.94	0.68	12.94	0.54	12.37	0.61	11.37	0.43	12.07	0.65	12.53	0.60	10.76	0.57	10.56
24-30	-	0.00	12.63	0.06	10.49	0.59	8.82	0.43	7.95	0.44	8.65	0.41	8.67	0.38	8.91	0.27	14.21	0.22	14.16	0.13	12.50	0.33	11.70	0.30	12.37	0.45	12.98	0.18	10.94	0.42	10.64
May 31 to June 6	-	0.72	13.35	0.26	10.75	0.41	9.23	1.13	9.08	0.68	9.33	0.95	9.62	0.68	9.59	0.84	15.05	0.96	15.12	0.73	13.23	0.81	12.51	0.81	13.18	0.83	13.81	0.78	11.72	0.76	11.72
June 7-13	-	0.20	13.55	0.24	10.99	0.07	9.30	0.19	9.27	0.24	9.57	0.35	9.97	0.22	9.81	0.29	15.34	0.21	15.33	0.34	13.57	0.29	12.80	0.30	13.48	0.29	14.10	0.64	12.36	0.26	11.98
14-20	-	0.67	14.22	1.01	12.00	0.85	10.15	0.45	9.72	0.62	10.19	0.56	10.53	0.70	10.51	1.45	16.79	0.72	16.05	1.41	14.98	1.27	14.07	1.87	15.35	1.34	15.44	0.56	12.92	1.02	13.00
21-28	-	0.95	15.17	0.23	12.23	0.40	10.55	0.31	10.93	0.52	10.71	0.34	10.87	0.36	10.87	0.55	17.34	0.65	16.70	0.73	15.71	1.28	15.35	1.01	16.36	0.85	16.29	0.50	13.42	0.60	13.60
29 to July 4	-	0.96	16.13	0.76	12.99	0.22	10.77	0.00	10.93	0.02	10.73	0.00	10.87	0.20	11.07	1.45	18.79	0.51	17.21	0.07	15.78	0.89	16.24	0.70	17.06	0.72	17.01	6.12	13.54	0.46	14.06
July 5-11	-	1.48	17.61	1.62	14.61	1.22	11.99	0.50	10.62	0.72	11.45	0.40	11.27	0.91	11.98	0.93	19.72	1.49	18.70	0.54	16.32	0.50	16.74	0.83	17.89	0.85	17.86	0.28	13.82	0.88	14.94
12-18	-	0.36	17.97	0.49	15.10	0.08	12.07	0.01	10.63	0.01	11.46	0.01	11.28	0.12	12.10	0.48	20.20	0.38	19.08	0.04	16.36	0.31	17.05	0.18	18.07	0.28	18.14	0.02	13.84	0.20	15.14
19-25	-	0.83	18.80	1.03	16.13	0.50	12.57	0.18	10.81	0.32	11.78	0.23	11.51	0.45	12.55	0.60	20.80	0.40	19.48	0.57	16.93	0.91	17.96	0.41	18.48	0.68	18.72	0.86	14.70	0.62	15.66
26 to Aug. 1	-	0.27	19.07	0.38	16.51	0.59	13.16	0.74	11.55	0.73	12.51	1.26	12.77	0.74	13.29	0.99	21.79	1.47	20.95	1.54	18.47	0.44	18.40	0.81	19.29	1.05	19.77	0.81	15.51	0.89	16.55
Aug. 2-8	-	1.29	20.36	0.16	16.67	0.48	13.64	0.68	12.23	0.78	13.29	0.43	13.20	0.51	13.80	0.60	22.39	0.67	21.62	0.57	19.04	0.72	19.12	0.80	20.09	0.67	20.44	0.33	15.84	0.59	17.14
9-15	-	0.37	20.73	0.41	17.08	0.19	13.83	0.06	13.19	0.63	13.92	0.91	14.11	0.62	14.42	0.48	22.87	0.53	22.15	0.77	19.81	0.36	19.48	1.16	21.25	0.66	21.10	0.76	16.60	0.64	17.78
16-22	-	0.19	20.92	0.08	17.16	0.82	14.65	0.87	14.06	1.40	15.41	1.21	15.32	1.01	15.43	0.89	23.76	0.80	22.95	1.08	20.89	0.60	20.14	1.59	22.84	1.00	22.12	1.04	17.04	1.01	18.79
23-29	-	0.33	21.25	2.05	19.81	2.71	17.36	1.70	15.76	1.81	17.22	1.56	16.86	1.96	17.39	2.78	26.54	3.14	26.09	1.68	22.57	1.75									

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT, FOR EACH WEEK IN THE SEVEN YEARS, 1878 TO 1884—continued.

DATE. LIMITS OF WEEKS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.						
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.						10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.		
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	
RAINFALL IN INCHES.																															
1882.																															
Jan. 3-9	-	1.58	1.58	0.75	0.75	0.25	0.25	0.83	0.83	0.74	0.74	0.61	0.61	0.63	0.63	1.02	1.02	1.11	1.11	1.19	1.19	1.08	1.08	1.32	1.32	1.33	1.33	0.72	0.72	0.98	0.98
10-16	-	0.56	2.14	0.07	0.82	0.04	0.29	0.03	0.86	0.06	0.80	0.09	0.70	0.06	0.69	0.52	2.44	0.24	1.35	0.18	1.37	0.20	1.28	0.48	1.80	0.32	1.65	0.15	0.87	0.19	1.17
17-23	-	0.39	2.53	0.09	0.91	0.00	0.29	0.00	0.86	0.01	0.81	0.00	0.70	0.02	0.71	0.28	2.72	0.06	1.41	0.00	1.37	0.02	1.30	0.02	1.82	0.08	1.73	0.00	0.87	0.05	1.22
24-30	-	0.36	2.89	0.24	1.15	0.42	0.71	0.31	1.17	1.04	1.85	0.13	0.83	0.43	1.14	0.53	3.25	1.04	2.45	0.74	2.11	0.64	1.94	0.92	2.74	0.77	2.50	0.70	1.57	0.60	1.82
Jan. 31 to Feb. 6	-	0.47	3.36	0.18	1.33	0.00	0.71	0.00	1.17	0.00	1.85	0.00	0.83	0.04	1.18	0.46	3.71	0.06	2.51	0.00	2.11	0.22	2.16	0.37	3.11	0.22	2.72	0.00	1.57	0.13	1.95
Feb. 7-13	-	0.64	4.30	0.45	1.78	0.06	0.77	0.08	1.25	0.15	2.00	0.00	0.92	0.16	1.34	1.74	5.45	0.29	2.80	0.30	2.41	0.82	2.98	1.17	4.28	0.86	3.58	0.32	1.89	0.51	2.46
14-20	-	1.29	5.29	0.42	2.20	0.10	0.87	0.89	2.14	0.50	2.59	0.41	1.33	0.48	1.82	1.13	6.58	0.54	3.34	0.66	3.07	0.60	3.58	0.50	4.78	0.69	4.27	0.47	2.36	0.59	3.05
21-27	-	0.62	5.91	0.49	2.69	0.49	1.36	0.22	2.36	0.77	3.36	0.52	1.85	0.50	2.32	1.00	7.58	1.15	4.49	0.96	4.03	0.65	4.23	0.89	5.67	0.93	5.20	0.77	3.13	0.71	3.76
Feb. 28 to Mar. 6	-	0.98	6.89	0.77	3.46	0.94	2.30	0.63	2.99	1.01	4.37	0.85	2.70	0.84	3.16	1.10	8.68	1.34	5.83	1.10	5.13	1.53	5.76	1.49	7.16	1.31	6.51	1.19	4.32	1.08	4.84
Mar. 7-13	-	0.97	7.86	0.56	4.02	0.03	2.33	0.08	3.07	0.04	4.41	0.09	2.29	0.16	3.32	0.90	9.58	0.08	5.91	0.31	5.44	0.64	6.40	0.37	7.53	0.46	6.97	0.06	4.38	0.31	5.15
14-20	-	0.66	8.52	0.31	4.33	0.10	2.43	0.02	3.09	0.06	4.47	0.01	2.80	0.10	3.42	0.64	10.22	0.27	6.18	0.04	5.48	0.43	6.83	0.40	7.93	0.36	7.33	0.05	4.43	0.23	5.38
21-27	-	1.29	9.81	0.34	4.67	0.47	2.90	0.17	4.26	0.86	5.33	0.68	3.48	0.71	4.13	1.17	11.39	1.18	7.36	0.64	6.12	1.03	7.86	0.71	8.64	0.95	8.28	0.47	4.90	0.83	6.21
28 to April 3	-	0.53	10.34	0.50	5.17	0.22	3.12	0.04	4.30	0.25	5.58	0.15	3.63	0.23	4.36	0.47	11.86	0.42	7.78	1.02	7.14	0.41	8.27	1.10	9.74	0.68	8.96	0.88	5.78	0.45	6.66
April 4 to 10	-	0.04	10.38	0.01	5.18	0.14	3.26	0.09	4.39	0.09	5.67	0.03	3.66	0.07	4.43	0.01	11.87	0.10	7.88	0.06	7.20	0.22	8.49	0.70	10.44	0.22	9.18	0.00	5.78	0.15	6.81
11-17	-	0.52	10.90	1.39	6.57	1.70	4.96	0.86	5.25	0.98	6.65	1.00	4.66	1.19	5.62	1.00	12.87	1.55	9.43	1.51	8.71	0.61	9.10	1.05	11.49	1.14	10.32	1.13	6.91	1.16	7.97
18-24	-	1.24	12.14	0.75	7.32	0.70	5.66	0.35	5.60	0.88	7.53	0.81	5.47	0.70	6.32	1.77	14.64	1.35	10.78	1.51	10.22	0.93	10.03	1.34	12.83	1.38	11.70	0.48	7.39	1.04	9.01
25 to May 1	-	0.68	12.82	0.43	7.75	1.16	6.82	1.77	7.37	1.42	8.95	1.54	7.01	1.26	7.58	0.66	15.30	1.16	11.94	1.52	11.74	0.90	10.93	1.40	14.23	1.13	12.83	0.97	8.36	1.20	10.21
May 2-8	-	0.45	13.27	0.71	8.46	1.10	7.92	0.92	8.29	0.87	9.82	0.75	7.76	0.87	8.45	0.73	16.03	0.39	12.73	0.30	12.04	1.02	11.95	0.27	14.50	0.54	13.37	0.19	8.55	0.70	10.91
9-15	-	0.58	13.85	0.36	8.82	0.04	7.96	0.03	8.32	0.01	9.83	0.03	7.79	0.09	8.54	0.46	16.49	0.40	12.73	0.03	12.07	0.16	12.11	0.04	14.54	0.22	13.59	0.01	8.66	0.16	11.07
16-22	-	0.01	13.86	0.00	8.82	0.00	7.96	0.00	8.41	0.16	9.99	0.03	7.82	0.06	8.60	0.01	16.50	0.07	12.80	0.17	12.24	0.17	12.28	0.31	14.85	0.14	13.73	0.12	8.73	0.10	11.17
23-29	-	0.30	14.16	0.31	9.13	0.81	8.77	0.55	8.96	1.17	11.16	0.71	8.53	0.71	9.31	1.04	17.54	0.85	13.65	1.16	13.40	0.92	13.20	1.36	16.21	1.07	14.80	0.70	9.38	0.88	12.06
May 30 to June 5	-	0.42	14.58	0.52	9.65	0.84	9.61	0.27	9.23	1.30	12.46	0.50	9.03	0.69	10.00	0.44	17.98	1.02	14.67	1.35	14.75	0.31	13.51	0.92	17.13	0.81	15.61	0.93	10.31	0.75	12.81
June 6-12	-	0.90	15.48	0.85	10.50	0.95	10.56	0.95	10.18	0.85	13.31	0.84	9.87	0.89	10.89	1.06	19.04	0.87	15.54	0.64	15.39	1.17	14.68	0.63	17.76	0.87	16.48	0.67	10.98	0.88	13.69
13-19	-	0.69	16.17	0.60	11.10	0.39	10.95	1.11	11.29	0.44	13.75	0.53	10.40	0.61	11.50	1.17	20.21	1.29	16.83	0.57	15.96	1.25	15.93	0.69	18.45	1.00	17.48	0.20	11.18	0.81	14.50
20-26	-	1.23	17.40	0.95	12.05	1.14	12.09	0.96	12.25	1.32	15.07	1.01	11.41	1.08	12.58	1.25	21.46	1.26	18.09	1.12	17.08	0.93	16.86	1.24	19.69	1.16	18.64	0.84	12.02	1.12	15.62
27 to July 3	-	0.38	17.78	0.53	12.58	0.27	12.36	0.01	12.26	0.36	15.43	0.14	11.55	0.26	12.84	0.87	22.33	0.31	18.40	0.27	17.35	0.77	17.63	0.33	20.02	0.51	19.15	0.37	12.39	0.38	16.00
July 4-10	-	0.92	18.70	0.98	13.56	0.65	13.01	0.82	13.08	1.12	16.55	0.89	12.44	0.89	13.73	0.70	23.03	1.47	19.87	1.45	18.80	1.03	18.66	1.27	21.29	1.19	20.34	1.68	14.07	1.04	17.04
11-17	-	0.72	19.42	0.81	14.37	0.82	13.83	1.12	14.20	1.40	18.04	1.07	13.51	1.06	14.79	2.05	25.08	1.37	21.24	2.06	20.86	1.45	20.11	1.08	23.27	1.78	22.12	0.81	14.88	1.42	18.46
18-24	-	0.73	20.15	0.76	15.13	0.59	14.42	0.26	14.46	0.47	18.51	0.28	13.79	0.47	15.26	1.25	26.33	1.39	22.63	1.12	21.98	1.22	21.33	1.22	24.49	1.24	23.36	0.74	15.62	0.86	19.32
25-31	-	0.17	20.32	0.33	15.46	0.56	14.98	0.26	14.72	0.34	18.85	0.14	13.93	0.33	15.59	0.96	27.29	1.01	23.64	0.16	22.14	0.63	21.96	0.49	24.98	0.65	24.01	0.35	15.97	0.49	19.81
Aug. 1-7	-	0.64	20.96	0.07	15.53	0.07	15.05	0.02	14.74	0.03	18.88	0.01	13.94	0.04	15.63	0.30	27.59	0.19	23.83	0.04	22.18	0.08	22.04	0.06	25.04	0.14	24.15	0.03	16.00	0.09	19.90
8-14	-	0.48	21.44	0.14	15.67	0.16	15.21	0.04	14.78	0.15	19.03	0.09	14.03	0.12	15.75	0.50	28.13	0.50	24.33	0.66	22.84	0.58	22.62	0.54	25.58	0.56	24.71	0.07	16.07	0.34	20.24
15-21	-	0.63	22.07	0.54	16.21	0.75	15.96	0.68	15.46	0.68	19.71	0.41	14.44	0.61	16.36	1.09	29.22	0.90	25.23	0.69	23.53	0.47	23.09	0.35	25.93	0.70	25.41	0.15	16.22	0.65	20.89.

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT, FOR EACH WEEK IN THE SEVEN YEARS, 1878 TO 1884.

DATE. — LIMITS OF WEEKS.		Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												MEANS FOR THE BRITISH ISLANDS GENERALLY.					
		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT- PRODUCING DIS- TRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.				MEANS FOR GRAZ- ING, &c. DIS- TRICTS.		CHANNEL ISLANDS.	
		Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			Weekly.	Sums.	Weekly.	Sums.
RAINFALL IN INCHES.																															
1883.																															
Jan. 2-8	-	0.17	0.17	0.10	0.10	0.17	0.17	0.23	0.23	0.35	0.35	0.22	0.22	0.22	0.22	0.52	0.52	0.49	0.49	0.23	0.23	0.32	0.32	0.47	0.47	0.41	0.41	0.31	0.31	0.32	0.32
9-15	-	0.42	0.59	0.27	0.37	0.53	0.70	0.48	0.73	0.74	1.09	0.66	0.88	0.54	0.76	0.86	1.38	0.84	1.33	0.95	1.18	0.63	0.95	0.99	1.46	0.85	1.26	0.63	0.94	0.69	1.01
16-22	-	0.87	1.46	0.43	0.80	0.12	0.82	0.18	0.91	0.22	1.31	0.31	1.19	0.25	1.01	1.39	2.77	0.71	2.04	0.45	1.63	0.77	1.72	1.19	2.65	0.90	2.16	0.26	1.20	0.58	1.59
23-29	-	1.59	3.05	1.24	2.04	0.88	1.70	1.03	1.94	1.58	2.89	1.19	2.38	1.18	2.19	2.90	5.67	2.64	4.68	1.65	3.28	2.91	4.63	2.78	5.43	2.58	4.74	1.35	2.55	1.88	3.47
Jan. 30 to Feb. 5	-	0.49	3.54	0.62	2.66	0.52	2.22	0.49	2.43	0.64	3.53	0.74	3.12	0.60	2.79	0.56	6.23	0.47	5.15	1.71	4.99	0.58	5.21	1.55	6.98	0.97	5.71	1.06	3.61	0.79	4.26
Feb. 6-12	-	0.55	4.09	0.66	3.32	1.09	3.31	1.59	4.02	1.89	5.42	2.23	5.35	1.49	4.28	1.35	7.58	1.05	6.20	2.43	7.42	1.36	6.57	2.19	9.17	1.68	7.39	1.85	5.46	1.59	5.85
13-19	-	1.11	5.20	0.62	3.94	0.38	3.69	0.64	4.66	0.73	6.15	0.95	6.30	0.66	4.94	1.83	9.41	0.72	6.92	1.23	8.65	1.78	8.35	2.58	11.75	1.63	9.02	1.14	6.60	1.14	6.99
20-26	-	0.79	5.99	0.22	4.16	0.01	3.70	0.03	4.69	0.01	6.16	0.06	6.36	0.07	5.01	0.52	9.93	0.07	6.99	0.16	8.81	0.15	8.50	0.08	11.83	0.19	9.21	0.10	6.70	0.13	7.12
Feb. 27 to Mar. 5	-	0.14	6.13	0.17	4.33	0.20	3.90	0.27	4.96	0.11	6.27	0.11	6.47	0.17	5.18	0.11	10.04	0.12	7.11	0.03	8.84	0.06	8.56	0.04	11.87	0.07	9.28	0.03	6.73	0.12	7.24
Mar. 6-12	-	0.36	6.49	0.36	4.69	0.73	4.63	0.80	5.76	0.17	6.44	0.19	6.66	0.45	5.63	0.03	10.07	0.07	7.18	0.02	8.86	0.07	8.63	0.15	12.02	0.07	9.35	0.31	7.04	0.26	7.50
13-19	-	0.55	7.04	1.20	5.89	0.79	5.42	0.37	6.13	0.59	7.03	0.50	7.16	0.69	6.32	0.39	10.46	0.56	7.74	0.69	9.55	0.22	8.85	0.48	12.50	0.47	9.82	1.17	8.21	0.58	8.08
20-26	-	0.52	7.56	0.35	6.24	0.19	5.61	0.18	6.31	0.14	7.17	0.07	7.23	0.19	6.51	0.23	10.69	0.21	7.95	0.36	9.91	0.35	9.20	0.23	12.73	0.28	10.10	0.30	8.51	0.24	8.32
27 to April 2	-	1.37	8.93	0.29	6.53	0.15	5.76	0.11	6.42	0.18	7.35	0.28	7.51	0.20	6.71	1.48	12.17	0.51	8.46	0.52	10.43	1.01	10.21	1.06	13.79	0.91	11.01	0.33	8.84	0.55	8.87
April 3-9	-	0.17	9.10	0.31	6.84	0.05	5.81	0.00	6.42	0.00	7.35	0.00	7.51	0.07	6.78	0.18	12.35	0.06	8.52	0.02	10.45	0.27	10.48	0.22	14.01	0.15	11.16	0.00	8.84	0.11	8.98
10-16	-	0.51	9.61	0.15	6.99	0.04	5.85	0.01	6.43	0.03	7.38	0.03	7.54	0.05	6.83	0.52	12.87	0.09	8.61	0.06	10.51	0.19	10.67	0.23	14.24	0.22	11.38	0.01	8.85	0.14	9.12
17-23	-	0.23	9.84	0.40	7.39	0.63	6.48	0.79	7.22	0.45	7.83	0.58	8.12	0.57	7.40	0.32	13.19	0.34	8.95	0.42	10.93	0.28	10.95	0.50	14.74	0.37	11.75	0.73	9.58	0.47	9.59
24-30	-	0.24	10.08	0.40	7.88	0.56	7.04	0.93	8.15	1.03	8.86	0.69	8.81	0.74	8.14	1.20	14.39	1.05	10.00	0.60	11.53	0.69	11.64	1.51	16.25	1.01	12.76	0.76	10.34	0.87	10.47
May 1-7	-	0.24	10.32	0.27	8.15	0.48	7.52	0.28	8.43	0.47	9.33	0.29	9.10	0.36	8.50	0.15	14.54	0.39	10.39	0.55	12.08	0.18	11.82	0.30	16.55	0.31	13.07	0.48	10.82	0.34	10.80
8-14	-	1.40	11.72	0.20	8.35	0.98	8.50	0.79	9.22	0.66	9.99	1.14	10.24	0.75	9.25	0.82	15.36	0.44	10.83	1.33	13.41	0.56	12.38	1.28	17.83	0.89	13.96	0.82	11.64	0.82	11.62
15-21	-	0.59	12.31	0.23	8.58	0.00	8.50	0.01	9.23	0.04	10.03	0.03	10.27	0.06	9.31	0.15	15.51	0.19	11.02	0.05	13.46	0.16	12.54	0.04	17.87	0.12	14.08	0.05	11.69	0.09	11.71
22-28	-	0.37	12.68	0.14	8.72	0.10	8.60	0.57	9.80	0.47	10.50	0.66	10.93	0.39	9.70	0.26	16.80	0.13	11.15	0.25	13.71	0.78	13.32	0.84	18.71	0.66	14.74	0.61	12.30	0.52	12.23
May 29 to June 4	-	0.37	13.05	0.13	8.85	0.03	8.63	0.00	9.80	0.01	10.51	0.00	10.93	0.04	9.74	0.39	17.19	0.13	11.28	0.15	13.86	0.44	13.76	0.23	18.94	0.27	15.01	0.09	12.39	0.16	12.39
June 5-11	-	0.22	13.27	0.04	8.89	0.05	8.68	0.03	9.83	0.50	11.01	0.29	11.22	0.18	9.92	0.14	17.33	0.14	11.42	0.36	14.22	0.71	14.47	0.43	19.37	0.56	15.37	0.56	12.95	0.27	12.66
12-18	-	0.55	13.82	0.31	9.20	0.56	9.24	1.10	10.93	1.01	12.02	0.24	11.46	0.64	10.56	0.26	17.59	0.38	11.80	0.37	14.59	0.56	15.03	0.36	19.93	0.43	15.80	0.18	13.13	0.54	13.20
19-25	-	0.33	14.15	0.72	9.92	1.16	10.40	1.70	12.63	1.23	13.25	0.49	11.95	1.06	11.62	1.31	18.90	1.68	13.48	1.10	15.69	0.52	15.55	0.72	20.65	1.06	16.86	1.14	14.27	1.06	14.26
26 to July 2	-	0.46	14.61	0.40	10.32	1.38	11.78	0.53	13.16	1.28	14.53	0.61	12.56	0.84	12.46	1.06	19.96	0.92	14.40	0.85	16.54	0.82	16.37	0.73	21.38	0.87	17.73	0.42	14.69	0.85	15.11
July 3-9	-	0.43	15.04	1.16	11.48	0.49	12.27	0.49	13.65	0.36	14.89	0.26	12.82	0.55	13.01	1.37	21.33	0.63	15.03	0.67	17.21	1.42	17.79	1.35	22.73	1.09	18.82	0.91	15.60	0.82	15.93
10-16	-	0.69	15.73	0.49	11.97	0.45	12.72	1.11	14.76	0.53	15.42	0.80	13.62	0.68	13.69	0.96	22.29	0.51	15.54	0.83	18.04	1.11	18.90	0.85	23.58	0.85	19.67	0.87	16.47	0.77	16.70
17-23	-	0.81	16.54	1.93	13.90	1.75	14.47	1.20	15.96	1.20	16.62	0.74	14.36	1.36	15.05	0.40	22.69	0.78	16.32	1.00	19.04	0.25	19.15	1.16	24.74	0.72	20.39	1.05	17.52	1.04	17.74
24-30	-	0.11	16.65	0.71	14.61	0.38	14.85	0.24	16.20	0.39	17.01	0.23	14.59	0.39	15.44	0.12	22.81	0.06	16.38	0.39	19.43	0.17	19.32	0.33	25.07	0.21	20.60	0.27	17.79	0.30	18.04
July 31 to Aug. 6	-	0.27	16.92	0.52	15.13	0.15	15.00	0.38	16.58	0.26	17.27	0.39	14.98	0.34	15.78	0.20	23.01	0.30	16.68	0.17	19.60	0.12	19.44	1.06	26.13	0.37	20.97	0.08	17.87	0.36	18.40
Aug. 7-13	-	1.66	18.58	1.75	16.88	0.81	15.81	0.43	17.01	0.76	18.03	0.30	15.28	0.81	16.59	3.21	26.22	1.78	18.46	0.66	20.26	2.60	22.04	2.06	29.09	2.24	23.21	0.66	18.53	1.53	19.93
14-20	-	0.58	19.16	0.18	17.06	0.24	16.05	0.10	17.11	0.15	18.18	0.11	15.39	0.15	16.74	0.43	26.65	0.53	18.99	0.33	20.59	0.50	22.54	0.28	29.40	0.41	23.62	0.27	18.80	0.28	20.21
21-27	-	0.26	19.42	0.16	17.22	0.04	16.09	0.06	17.1																						

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT, FOR EACH WEEK IN THE SEVEN YEARS, 1878 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.						
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			
RAINFALL IN INCHES.																															
1884.																															
Jan. 1-7	-	0.80	0.80	0.63	0.63	1.15	1.15	0.37	0.37	0.66	0.66	0.52	0.52	0.67	0.67	2.47	2.47	1.29	1.29	0.97	0.97	1.46	1.46	1.43	1.43	1.52	1.52	0.77	0.77	1.10	1.10
8-14	-	0.74	1.54	0.47	1.10	0.19	1.34	0.11	0.48	0.09	0.75	0.15	0.67	0.20	0.87	0.91	3.38	0.41	1.70	0.14	1.11	0.56	2.02	0.19	1.62	0.44	1.96	0.21	0.98	0.32	1.42
15-21	-	0.94	2.48	0.36	1.46	0.03	1.37	0.01	0.49	0.00	0.75	0.02	0.69	0.08	0.95	1.05	4.43	0.15	1.85	0.08	1.19	0.49	2.51	0.26	1.88	0.41	2.37	0.05	1.03	0.24	1.66
22-28	-	2.52	5.00	1.18	2.64	1.05	2.42	0.90	1.39	1.50	2.25	1.55	2.24	1.24	2.19	2.27	6.70	2.34	4.19	2.20	3.39	2.54	5.05	2.25	4.13	2.32	4.69	1.74	2.77	1.78	3.44
Jan. 29 to Feb. 4	-	1.42	6.42	0.76	3.40	1.15	3.57	0.44	1.83	1.08	3.33	0.89	3.13	0.86	3.05	1.79	8.49	1.00	5.79	1.36	4.75	0.74	5.79	0.91	5.04	1.28	5.97	0.90	3.67	1.07	4.51
Feb. 5-11	-	1.01	7.43	0.32	3.72	0.26	3.83	0.16	1.99	0.39	3.72	0.64	3.77	0.36	3.41	1.41	9.90	0.83	6.62	0.69	5.44	0.67	6.46	1.47	6.51	1.01	6.98	0.53	4.20	0.69	5.20
12-18	-	0.28	7.71	0.36	4.08	0.05	3.88	0.16	2.15	0.37	4.09	0.32	4.09	0.25	3.66	1.81	11.71	1.08	7.70	1.32	6.76	0.73	7.19	1.74	8.25	1.34	8.32	0.87	5.07	0.79	5.99
19-25	-	0.75	8.46	0.33	4.41	0.24	4.12	0.49	2.64	0.54	4.63	0.79	4.88	0.48	4.14	1.47	13.18	0.91	8.61	1.19	7.95	1.42	8.61	1.69	9.94	1.34	9.66	0.80	5.87	0.81	6.90
Feb. 26 to Mar. 3	-	0.61	9.07	0.27	4.68	0.35	4.47	0.40	3.04	0.70	5.33	0.76	5.64	0.50	4.64	0.86	14.04	0.33	8.94	1.89	9.84	0.94	9.55	1.38	11.32	1.08	10.74	1.37	7.24	0.79	7.69
Mar. 4-10	-	1.36	10.43	1.09	5.77	1.41	5.88	0.67	3.71	0.84	6.17	0.87	6.51	0.97	5.61	1.31	15.35	1.61	10.55	1.01	10.85	0.92	10.47	1.74	13.06	1.32	12.06	0.87	8.11	1.15	8.84
11-17	-	0.45	10.88	0.05	5.82	0.05	5.93	0.02	3.73	0.08	5.25	0.03	6.54	0.05	5.66	0.76	16.11	0.35	10.90	0.31	11.16	0.58	11.05	1.42	14.48	0.68	12.74	0.28	8.39	0.36	9.20
18-24	-	0.84	11.72	0.26	6.08	0.07	6.00	0.09	3.82	0.08	6.33	0.07	6.61	0.11	5.77	0.70	16.81	0.23	11.13	0.19	11.35	0.46	11.51	0.31	14.79	0.38	13.12	0.17	8.56	0.25	9.45
25-31	-	0.36	12.08	0.30	6.38	0.23	6.23	0.05	3.87	0.36	6.69	0.12	6.73	0.21	5.98	0.30	17.11	0.36	11.49	0.85	12.20	0.68	12.19	0.59	15.38	0.56	13.68	0.62	9.18	0.38	9.83
April 1-7	-	0.56	12.64	0.47	6.85	0.62	6.85	0.64	4.51	0.99	7.68	0.85	7.58	0.71	6.69	0.63	17.74	0.74	12.23	1.43	13.63	0.94	13.13	1.03	16.41	0.95	14.63	0.94	10.12	0.83	10.66
8-14	-	0.12	12.76	0.19	7.04	0.30	7.15	0.20	4.71	0.13	7.81	0.05	7.63	0.17	6.86	0.04	17.78	0.12	12.35	0.03	13.66	0.00	13.13	1.02	16.53	0.06	14.69	0.04	10.16	0.12	10.78
15-21	-	0.16	12.92	0.11	7.15	0.18	7.33	0.10	4.81	0.06	7.87	0.08	7.71	0.11	6.97	0.03	17.81	0.03	12.38	0.05	13.71	0.07	13.20	0.06	16.59	0.05	14.74	0.20	10.36	0.08	10.86
22-28	-	0.03	12.95	0.09	7.24	0.39	7.72	0.48	5.29	0.25	8.12	0.58	8.29	0.36	7.33	0.12	17.93	0.10	12.48	0.47	14.18	0.29	13.49	0.44	17.03	0.29	15.03	0.55	10.91	0.52	11.18
April 29 to May 5	-	1.40	14.35	0.63	7.87	0.69	8.41	0.77	6.06	0.62	8.74	0.45	8.74	0.63	7.96	1.42	19.35	0.93	13.41	0.07	14.85	1.20	14.69	0.68	17.71	0.98	16.01	0.45	11.36	0.81	11.99
May 6-12	-	0.72	15.07	0.60	8.47	0.19	8.60	0.21	6.27	0.20	8.94	0.21	8.95	0.28	8.24	0.94	20.29	0.37	13.78	0.28	15.13	0.96	15.65	0.56	18.27	0.62	16.63	0.16	11.52	0.45	12.44
13-19	-	1.41	16.48	0.44	8.91	0.14	8.74	0.08	6.35	0.16	9.10	0.06	9.01	0.18	8.42	1.11	21.40	0.63	14.41	0.15	15.28	1.21	16.86	0.54	18.81	0.73	17.36	0.11	11.63	0.46	12.90
20-26	-	0.24	16.72	0.16	9.07	0.06	8.80	0.00	6.35	0.01	9.11	0.12	9.13	0.07	8.49	0.13	21.53	0.00	14.41	0.30	15.58	0.07	16.93	0.22	19.03	0.14	17.50	0.11	11.74	0.10	13.00
May 27 to June 2	-	0.18	16.90	0.01	9.08	0.00	8.80	0.00	6.35	0.00	9.11	0.01	9.14	0.01	8.50	0.23	21.76	0.04	14.45	0.18	15.76	0.29	17.22	0.27	19.30	0.20	17.70	1.15	12.89	0.11	13.11
June 3-9	-	0.17	17.07	0.26	9.34	0.51	9.31	1.14	7.49	1.10	10.21	1.70	10.84	0.94	9.44	0.13	21.89	0.39	14.84	0.51	16.27	0.34	17.56	0.40	19.70	0.36	18.06	0.59	13.48	0.65	13.76
10-16	-	0.68	17.75	0.25	9.59	0.01	9.32	0.01	7.50	0.02	10.23	0.01	10.85	0.06	9.50	0.23	22.12	0.02	14.86	0.04	16.31	0.15	17.71	0.07	19.77	0.09	18.16	0.02	13.50	0.08	13.84
17-23	-	0.29	18.04	0.20	9.79	0.06	9.38	0.07	7.57	0.68	10.31	0.08	10.93	0.10	9.60	0.05	22.17	0.02	14.88	0.00	16.31	0.02	17.73	0.03	19.80	0.02	18.18	0.01	13.51	0.06	13.90
24-30	-	0.39	18.43	0.16	9.95	0.07	9.45	0.08	7.65	0.59	10.90	0.52	11.45	0.28	9.88	0.30	22.47	0.44	15.32	0.79	17.10	0.30	18.03	0.22	20.02	0.41	18.59	0.61	14.12	0.34	14.24
July 1-7	-	0.23	18.56	0.99	10.94	0.73	10.18	0.44	8.09	0.45	11.35	0.28	11.73	0.58	10.46	1.62	24.09	0.77	16.09	0.66	17.70	0.80	18.83	0.63	20.65	0.90	19.49	0.66	14.78	0.74	14.98
8-14	-	0.44	19.00	0.80	11.74	1.25	11.43	0.61	8.70	0.98	12.33	0.96	12.69	0.92	11.38	1.97	26.06	1.61	17.70	0.62	18.38	0.88	19.71	1.25	21.90	1.27	20.76	1.26	16.04	1.09	16.07
15-21	-	0.57	19.57	1.06	12.80	0.20	11.63	0.85	9.55	0.49	12.82	0.29	12.98	0.58	11.96	0.86	26.92	0.65	18.35	0.94	19.32	0.60	20.31	0.44	22.34	0.69	21.45	0.56	16.60	0.64	16.71
22-28	-	0.67	20.24	0.37	13.17	0.70	12.33	0.72	10.27	0.99	13.81	0.82	13.80	0.72	12.68	1.04	27.96	1.57	19.92	1.22	20.54	1.76	22.07	1.12	23.46	1.54	22.79	0.77	17.37	1.05	17.74
July 29 to Aug. 4	-	0.44	20.68	0.01	13.18	0.00	12.33	0.01	10.28	0.02	13.83	0.01	13.81	0.01	12.69	0.26	28.22	0.06	19.98	0.03	20.57	0.14	22.21	0.08	23.54	0.11	22.90	0.04	17.41	0.05	17.80
Aug. 5-11	-	0.42	21.10	0.16	13.34	0.43	12.76	0.13	10.41	0.17	14.00	0.05	13.86	0.19	12.88	0.36	28.58	0.20	20.18	0.10	20.67	0.25	22.46	0.14	23.68	0.21	23.11	0.26	17.67	0.20	18.00
12-18	-	0.97	22.07	0.89	14.23	0.03	12.79	0.44	10.85	0.12	14.12	0.11	13.97	0.51	13.19	0.50	30.08	0.25	20.23	0.27	20.94	1.33	23.79	0.63	24.31	0.76	23.87	0.26	17.92	0.53	18.53
19-25	-	0.54	22.61	0.19	14.42	0.09	12.88	0.34	11.19	0.16	14.28	0.21	14.18	0.20	13.39																

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF ACCUMULATED HEAT ABOVE 42° FAHRENHEIT IN EACH DISTRICT, FOR EACH WEEK IN THE SEVEN YEARS, 1878 TO 1884.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.						MEANS FOR GRAZING, &c. DISTRICTS.			
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.		
DAY-DEGREES ABOVE 42° FAHRENHEIT.																																
1878.																																
Jan. 1-7	-	10	10	10	10	9	9	9	9	18	18	18	18	13	13	23	23	18	18	27	27	19	19	34	34	24	24	39	39	19	19	
8-14	-	0	10	0	10	0	9	0	9	9	27	0	18	12	15	3	26	3	21	9	36	6	25	11	45	6	30	9	48	4	23	
15-21	-	13	23	24	34	27	36	28	37	28	55	26	44	26	41	23	49	28	49	41	77	23	48	45	90	32	62	48	96	29	52	
22-28	-	0	23	0	34	0	36	1	38	5	65	5	49	12	43	2	51	3	52	21	98	0	48	18	108	9	71	27	123	5	57	
Jan. 29 to Feb. 4	-	7	30	3	37	1	37	0	38	0	60	0	49	1	44	8	59	0	52	6	104	4	52	9	117	5	76	13	136	3	60	
Feb. 5-11	-	18	48	13	50	1	38	0	38	0	60	0	49	3	47	22	81	1	53	9	113	10	62	23	140	13	89	14	150	8	68	
12-18	-	14	62	12	62	25	63	31	69	34	94	31	80	27	74	27	108	27	80	36	149	22	84	29	169	28	117	50	200	28	96	
19-25	-	25	87	34	96	31	94	28	97	30	124	29	109	30	104	30	138	23	103	32	181	30	114	38	207	31	148	34	234	30	126	
Feb. 26 to Mar. 4	-	27	114	31	127	29	123	44	141	48	172	44	153	39	143	35	174	43	146	50	231	41	155	60	267	46	194	53	292	43	169	
Mar. 5-11	-	10	124	18	145	34	157	36	177	35	207	37	190	32	175	32	206	27	173	42	273	30	185	46	313	35	229	52	344	33	202	
12-18	-	14	138	11	156	15	172	13	190	16	223	15	205	14	189	20	226	12	185	29	302	23	213	33	346	24	253	22	366	19	221	
19-25	-	2	140	10	166	15	187	22	212	22	245	29	234	20	209	26	252	10	195	27	329	12	225	28	374	21	274	22	388	21	242	
26 to April 1	-	0	140	0	166	0	187	2	214	5	250	5	239	2	211	6	258	1	196	14	343	5	230	13	387	8	282	19	407	5	247	
April 2-8	-	17	157	20	186	21	208	23	237	29	279	33	272	25	236	36	294	32	228	32	375	30	260	31	418	32	314	34	441	29	276	
9-15	-	33	190	40	226	43	251	50	287	50	329	48	320	47	283	49	343	54	282	50	425	47	307	55	473	51	365	55	496	49	325	
16-22	-	38	228	48	269	40	300	52	339	59	388	57	377	52	335	64	407	61	343	60	485	61	368	62	535	62	427	65	561	57	382	
23-29	-	32	260	33	302	37	337	55	394	62	450	64	441	50	385	55	462	55	398	60	545	50	418	57	592	55	482	64	625	52	434	
April 30 to May 6	-	50	310	63	365	69	406	89	483	87	537	88	529	79	464	79	541	76	474	76	621	77	495	80	672	78	560	83	708	79	513	
May 7-13	-	42	352	46	411	53	464	90	573	91	628	100	629	77	541	73	614	79	553	87	708	68	503	84	756	78	638	93	801	77	590	
14-20	-	60	412	67	478	85	549	101	674	95	723	97	726	89	639	79	693	83	636	88	796	72	635	85	841	81	719	92	893	85	675	
21-27	-	38	450	46	524	45	594	62	736	56	779	69	795	56	686	47	740	56	692	71	867	46	681	60	901	56	775	77	970	56	731	
May 28 to June 3	-	43	493	57	581	58	652	67	803	76	855	81	876	68	754	70	816	78	770	86	953	75	756	85	986	80	855	94	1064	74	805	
June 4-10	-	43	536	67	648	77	729	105	908	102	957	109	985	92	846	85	901	94	864	110	1063	87	843	101	1087	95	950	111	1175	94	899	
11-17	-	46	582	62	710	60	789	78	986	86	1043	92	1077	76	922	85	936	80	944	101	1164	85	928	99	1186	90	1040	100	1274	83	982	
18-24	-	85	667	105	815	125	914	125	1111	136	1179	134	1211	125	1047	99	1085	117	1061	123	1287	106	1034	106	1292	110	1150	130	1404	117	1099	
25 to July 1	-	125	792	141	956	150	1064	165	1276	179	1358	183	1394	163	1210	160	1245	166	1227	162	1449	146	1180	139	1431	155	1305	149	1553	139	1258	
July 2-8	-	83	875	107	1063	114	1178	118	1394	127	1485	127	1521	119	1329	117	1362	118	1345	135	1584	122	1302	132	1563	125	1430	131	1684	122	1380	
9-15	-	87	962	115	1178	115	1293	116	1510	119	1604	129	1650	119	1448	117	1479	110	1455	127	1711	109	1411	125	1688	118	1548	128	1812	118	1498	
16-22	-	113	1075	139	1337	172	1465	179	1680	184	1788	182	1832	173	1621	154	1633	167	1622	183	1894	143	1554	172	1860	164	1712	172	1984	169	1667	
23-29	-	101	1176	115	1452	120	1585	132	1812	130	1918	151	1983	129	1750	127	1760	132	1754	146	2040	118	1672	135	1995	131	1843	148	2132	130	1797	
July 30 to Aug. 5	-	102	1278	118	1570	122	1707	137	1949	131	2040	139	2122	120	1879	141	1991	136	1890	139	2179	134	1806	144	2139	139	1982	145	2277	134	1931	
Aug. 6-12	-	116	1394	127	1697	138	1845	160	2109	148	2197	160	2282	147	2026	132	2033	136	2026	153	2332	130	1936	144	2283	139	2121	156	2433	143	2074	
13-19	-	85	1479	97	1794	123	1968	135	2244	134	2331	143	2425	126	2152	114	2147	125	2151	138	2470	116	2052	129	2412	124	2245	141	2574	125	2199	
20-26	-	96	1569	104	1898	114	2082	127	2371	125	2456	138	2563	122	2274	118	2265	121	2272	139	2609	123	2175	127	2539	126	2371	142	2716	124	2353	
Aug. 27 to Sept. 2	-	98	1667	117	2015	125	2207	132	2503	127	2583	139	2702	128	2402	124	2389	123	2395	137	2746	116	2291	122	2661	124	2495	144	2860	126	2449	
Sept. 3-9	-	108	1775	124	2139	137	2344	140	2643	137	2720	143	2845	136	2538	127	2516	133	2528	140	2886	127	2418	141	2802	134	2629	146	3006	135	2584	
10-16	-	85	1860	102	2241	97	2441	103	2746	92	2812	119	2964	103	2641	104	2620	96	2624	118	3004	106	2524	116	2918	108	2737	136	3142	106	2690	
17-23	-	53	1913	63	2304	64	2505	71	2817	75	2887	81	3045	71	2712	68	2688	73	2697	92	3096	69	2593	78	2996	76	2813	109	3251	73	2763	
24-30	-	51	1964	57	2361	69	2574	72	2889	77	2964	85	3130	72	2784	75	2763	85	2782	94	3190	84	2677	96	3092	87	2900	109	3360	80	2843	
Oct. 1-7	-	55	2019	64	2425	83	2657	91	2980	97	3061	111	3241	89	2873	87																

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF ACCUMULATED HEAT ABOVE 42° FAHRENHEIT IN EACH DISTRICT FOR EACH WEEK IN THE SEVEN YEARS, 1878 TO 1884—continued.

DATE.	LIMITS OF WEEKS.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.							
			0.		1.		2.		3.		4.		5.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6.		7.		8.						9.		10.		MEANS FOR GRAZING, &c. DISTRICTS.	
			Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.					Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.
DAY-DEGREES ABOVE 42° FAHRENHEIT.																																
1879.																																
Dec. 31 to Jan. 6	0	0	0	0	0	0	0	0	0	0	0	5	5	1	1	0	0	0	0	21	21	0	0	5	5	5	5	25	25	3	3	
Jan. 7-13	0	0	0	0	0	0	0	0	0	0	0	0	5	0	1	0	0	0	0	0	21	0	0	0	5	0	5	0	25	0	3	
14-20	0	0	0	0	0	0	0	0	0	0	0	0	5	0	1	0	0	0	0	15	36	1	1	11	16	6	11	18	43	3	6	
21-27	0	0	0	0	0	0	0	0	0	0	0	0	5	0	1	0	0	0	0	36	0	1	0	16	0	11	0	43	0	6		
Jan. 28 to Feb. 3	0	0	0	0	0	0	0	0	0	0	0	0	5	0	1	0	0	0	0	36	0	1	0	16	0	11	4	47	0	6		
Feb. 4-10	2	2	0	0	5	5	22	22	21	21	17	22	13	14	3	3	9	9	24	60	9	10	26	42	14	25	29	76	14	20		
11-17	0	2	0	0	0	5	4	26	6	27	8	30	4	18	0	3	0	9	25	85	3	13	19	61	10	35	27	103	7	27		
18-24	0	2	0	0	0	5	0	26	0	27	0	30	0	18	0	3	0	9	5	90	0	13	0	61	1	36	4	107	0	27		
Feb. 25 to Mar. 3	8	10	4	4	1	6	1	27	5	32	1	31	2	20	7	10	2	11	9	99	10	23	15	76	9	45	9	116	5	32		
Mar. 4-10	13	23	31	35	41	47	51	78	48	80	39	70	42	62	28	38	32	43	33	132	32	55	40	116	33	78	33	149	38	70		
11-17	0	23	0	35	4	51	15	93	17	97	15	85	10	72	4	42	10	53	31	163	9	64	33	149	17	95	24	173	14	84		
18-24	0	23	0	35	0	51	7	100	9	106	11	96	6	78	4	46	6	59	25	188	4	68	11	160	10	105	26	199	8	92		
25-31	0	23	3	38	4	55	4	104	9	115	10	106	6	84	7	53	4	63	13	201	3	71	11	171	8	113	24	223	7	99		
April 1-7	16	39	26	64	36	91	35	139	40	155	34	140	34	118	29	82	31	94	33	234	37	108	34	205	33	146	33	256	33	132		
8-14	9	48	7	71	1	92	8	147	5	160	11	151	6	124	11	93	5	99	13	247	9	117	13	218	10	156	18	274	8	140		
15-21	10	58	11	82	7	99	14	161	16	176	26	177	15	139	20	113	14	113	33	280	15	132	28	246	22	178	30	304	19	159		
22-28	6	64	10	92	24	123	38	199	39	215	37	214	30	169	29	142	32	145	49	329	31	163	46	292	37	215	51	355	33	192		
April 29 to May 5	31	95	46	138	38	161	38	237	48	263	40	254	42	211	45	187	36	181	41	370	43	206	48	340	43	258	40	395	43	235		
May 6-12	12	107	34	172	30	191	32	269	38	301	33	287	34	245	32	219	29	210	36	406	32	238	38	378	33	291	32	427	34	269		
13-19	29	136	37	209	32	223	41	310	47	348	50	337	41	286	44	263	47	257	56	462	45	283	56	434	50	341	58	485	45	314		
20-26	36	172	44	253	62	285	64	374	72	420	73	410	63	349	54	317	62	319	70	532	50	333	67	501	60	401	74	559	61	375		
May 27 to June 2	33	205	41	294	48	333	67	441	59	479	70	480	57	406	53	370	53	372	64	596	54	387	56	557	56	457	67	626	56	431		
June 3-9	37	242	48	342	66	399	87	528	85	564	91	571	75	481	71	441	72	444	85	681	69	456	79	636	75	532	88	714	75	506		
10-16	44	286	68	410	90	489	102	630	99	663	104	675	93	574	97	538	99	543	99	780	97	553	99	735	98	630	102	816	96	602		
17-23	71	357	93	503	101	500	104	734	104	767	104	779	101	675	97	635	97	640	105	885	92	645	102	837	99	729	98	914	100	702		
24-30	73	430	90	593	99	689	106	840	102	869	110	889	102	777	90	725	92	732	103	988	90	735	97	934	95	824	105	1019	99	801		
July 1-7	66	496	85	678	98	787	97	937	97	966	99	988	95	872	82	807	82	814	99	1087	80	815	92	1026	87	911	95	1114	91	892		
8-14	63	559	74	752	86	873	95	1032	93	1059	98	1086	89	961	83	890	89	903	98	1185	83	898	92	1118	89	1000	97	1211	89	981		
15-21	72	631	84	836	90	963	109	1141	125	1184	123	1209	106	1067	99	989	107	1010	112	1297	97	995	107	1225	104	1104	106	1317	105	1086		
22-28	78	709	104	940	101	1064	113	1254	117	1301	114	1323	110	1177	101	1090	103	1113	113	1410	99	1094	109	1334	105	1209	112	1429	108	1194		
July 29 to Aug. 4	81	799	98	1038	125	1189	148	1402	141	1442	140	1463	130	1307	102	1192	120	1233	123	1533	100	1194	103	1437	110	1319	131	1560	120	1314		
Aug. 5-11	71	861	93	1131	92	1281	111	1513	108	1550	120	1583	105	1412	93	1285	95	1328	117	1650	90	1284	107	1544	100	1419	121	1681	103	1417		
12-18	96	957	108	1239	117	1398	136	1649	132	1682	137	1720	126	1538	116	1401	126	1454	130	1780	111	1395	118	1662	120	1539	127	1808	123	1540		
19-25	95	1052	104	1343	116	1514	127	1776	120	1802	127	1847	119	1657	106	1507	111	1565	121	1901	103	1498	110	1772	110	1649	130	1938	114	1654		
Aug. 26 to Sept. 1	69	1112	76	1419	90	1604	99	1875	99	1901	106	1953	94	1751	83	1590	89	1654	105	2006	81	1579	94	1866	90	1739	118	2056	92	1746		
Sept. 2-8	67	1179	91	1510	99	1703	102	1977	102	2003	109	2062	101	1852	93	1683	104	1758	107	2113	88	1667	102	1968	99	1838	123	2179	100	1846		
9-15	64	1243	78	1588	89	1792	100	2077	95	2098	105	2167	93	1945	80	1763	88	1846	102	2215	77	1744	88	2056	87	1925	104	2283	90	1936		
16-22	63	1306	77	1665	88	1880	103	2180	93	2191	113	2286	95	2040	77	1840	90	1936	110	2325	76	1820	85	2141	88	2013	117	2400	92	2028		
23-29	43	1349	49	1714	45	1925	69	2249	64	2255	82	2362	62	2102	48	1888	58	1994	85	2410	49	1869	72	2213	62	2075	97	2497	62	2090		
Sept. 30 to Oct. 6	46	1395	54	1768	57	1982	74	2323	65	2320	90	2452	68	2170	58	1946	62	2056	87	2497	55	1924	71	2284	66	2141	102	2599	67	2157		
Oct. 7-13	47	1442	53	1821	48	2030	38	2361	43	2363	58	2510	48	2218	51	1997	56	2112	81	2578	46	1970	61	2345	59	2200	97	2696	54	2211		
14-20	16	1458	30	1851	41	2071	41	2402	43	2406	42	2552	39	2257	37	2034	33	2145	59	2637	36	2006	49	2394	43	2243	73	2769				

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF ACCUMULATED HEAT ABOVE 42° FAHRENHEIT IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—*continued*.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														Channel Islands.		Means for the British Islands generally.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.							
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.		
DAY-DEGREES ABOVE 42° FAHRENHEIT.																																
1880.																																
Dec. 30 to Jan. 5	11	11	5	5	23	23	15	15	24	24	21	21	18	18	22	22	24	24	30	30	35	35	36	36	30	30	32	32	24	24		
Jan. 6-12	6	17	0	5	0	23	0	15	0	24	0	21	0	18	1	23	0	24	6	36	7	42	13	49	5	35	0	32	3	27		
13-19	0	17	0	5	0	23	0	15	0	24	0	21	0	18	0	23	0	24	0	36	0	42	0	49	0	35	2	34	0	27		
20-26	3	20	0	5	0	23	0	15	0	24	0	21	0	18	0	23	0	24	0	36	0	42	0	49	0	35	0	34	0	27		
Jan. 27 to Feb. 2	20	40	12	17	8	31	0	15	0	24	0	21	4	22	14	37	5	29	12	48	24	66	29	78	17	52	22	56	10	37		
Feb. 3-9	8	48	12	29	13	44	12	27	14	38	11	32	12	34	19	47	13	42	26	74	23	89	28	106	20	72	23	79	16	53		
10-16	7	55	9	38	10	54	11	38	14	52	14	46	12	46	9	56	13	55	27	101	10	99	15	121	15	87	27	106	14	67		
17-23	15	70	21	59	24	78	30	68	29	81	24	70	26	72	20	76	25	80	34	135	30	129	31	152	28	115	39	145	27	94		
Feb. 24 to Mar. 1	7	77	25	84	25	103	28	96	25	106	26	96	26	98	22	98	17	97	40	175	28	157	30	182	27	142	23	168	27	121		
Mar. 2-8	13	90	37	121	36	139	41	137	40	146	39	135	38	136	26	124	31	128	44	219	30	187	41	223	34	176	48	216	36	157		
9-15	11	101	11	132	11	150	49	186	34	180	49	184	31	167	24	148	28	156	36	255	28	215	23	246	28	204	50	266	29	186		
16-22	13	114	12	144	8	158	14	200	22	202	33	217	18	185	33	181	34	190	32	287	37	252	30	285	35	239	24	290	27	213		
23-29	12	126	15	159	11	169	26	226	50	252	44	261	29	214	28	209	38	228	34	321	36	288	43	328	36	275	32	322	32	245		
Mar. 30 to April 5	20	146	31	190	34	203	45	271	46	298	39	300	39	253	31	240	33	261	42	363	38	326	42	370	37	312	44	366	38	283		
April 6-12	23	169	31	221	25	228	31	302	31	329	31	331	30	283	33	273	24	285	29	392	30	356	34	404	30	342	31	397	30	313		
13-19	27	196	33	254	41	269	47	349	46	375	47	378	42	325	35	308	38	323	43	435	35	391	40	444	38	380	51	448	40	353		
20-26	28	224	40	294	45	314	50	399	49	424	50	428	47	372	34	342	38	361	55	490	39	430	48	492	43	423	55	503	45	398		
April 27 to May 3	30	254	46	340	36	350	48	447	50	474	45	473	45	417	43	385	36	397	38	528	44	474	48	540	42	465	41	544	43	441		
May 4-10	31	285	40	380	31	381	36	483	47	521	50	523	41	458	46	431	39	436	57	585	47	521	54	594	40	514	46	590	45	486		
11-17	38	323	42	422	38	419	57	540	58	579	81	604	55	513	50	481	60	496	85	670	55	576	71	665	64	578	75	665	60	546		
18-24	51	374	86	508	73	492	69	609	80	659	83	687	78	591	69	550	73	569	97	767	79	655	92	757	82	660	84	749	80	626		
May 25-31	43	417	62	570	62	554	85	694	69	728	88	775	73	664	58	608	62	631	78	845	62	717	71	828	66	726	92	841	70	696		
June 1-7	44	461	58	628	60	614	81	775	65	793	83	858	70	734	69	677	70	701	85	930	71	788	83	911	76	802	70	911	73	769		
8-14	50	511	80	708	69	683	79	854	75	868	82	940	77	811	61	738	73	774	81	1011	62	850	74	985	70	872	88	999	73	842		
15-21	81	592	97	805	98	781	115	969	114	982	121	1061	109	920	125	863	120	894	117	1128	118	968	117	1102	119	991	106	1105	114	956		
22-28	87	679	114	919	111	892	124	1093	124	1106	118	1179	118	1038	112	975	117	1011	122	1250	110	1078	119	1221	116	1107	112	1217	117	1073		
June 29 to July 5	78	757	104	1023	114	1006	125	1218	116	1222	122	1301	116	1154	105	1080	110	1121	121	1371	111	1189	120	1341	113	1220	120	1337	115	1188		
July 6-12	90	847	104	1127	114	1120	115	1333	111	1333	118	1419	112	1266	104	1184	109	1230	116	1487	100	1289	109	1450	108	1328	116	1453	110	1298		
13-19	86	933	109	1236	113	1233	141	1474	135	1468	146	1565	129	1395	116	1300	124	1354	134	1621	111	1400	121	1571	121	1449	137	1590	125	1423		
20-26	93	1026	104	1340	113	1346	137	1611	127	1595	141	1706	125	1520	117	1417	121	1475	141	1762	107	1507	125	1696	122	1571	140	1730	123	1546		
July 27 to Aug. 2	75	1101	97	1437	109	1455	118	1729	119	1714	130	1836	115	1635	99	1516	112	1587	130	1892	98	1605	113	1809	110	1681	134	1864	113	1659		
Aug. 3-9	102	1203	120	1557	127	1582	129	1858	127	1841	134	1970	127	1762	117	1633	123	1710	130	2022	124	1729	125	1934	124	1805	140	2004	125	1784		
10-16	128	1331	133	1690	136	1718	141	1999	151	1992	158	2128	144	1966	149	1782	150	1860	160	2182	163	1892	162	2096	157	1962	149	2153	151	1935		
17-23	162	1433	120	1810	114	1832	138	2137	124	2116	167	2285	130	2036	125	1907	127	1987	149	2331	131	2023	136	2232	134	2096	144	2297	132	2067		
Aug. 24-30	116	1549	123	1933	130	1962	141	2258	141	2257	160	2445	139	2175	132	2039	140	2127	144	2475	139	2162	148	2380	141	2237	150	2447	140	2207		
Aug. 31 to Sept. 6	123	1672	136	2069	158	2120	176	2454	162	2419	160	2605	158	2333	132	2171	153	2280	152	2627	137	2299	150	2530	145	2382	159	2606	152	2359		
7-13	87	1759	93	2162	112	2232	121	2575	111	2530	130	2735	114	2447	107	2228	116	2396	127	2754	95	2394	108	2638	111	2493	136	2742	113	2472		
14-20	62	1821	65	2227	80	2312	84	2659	88	2618	99	2834	83	2530	73	2351	86	2482	103	2857	70	2464	85	2723	83	2576	107	2849	83	2555		
21-27	80	1901	91	2318	102	2414	113	2772	116	2734	136	2970	112	2642	97	2448	109	2591	118	2975	106	2570	118	2841	109	2685	116	2965	110	2665		
Sept. 28 to Oct. 4	43	1944	65	2383	63	2477	66	2838	64	2798	82	3052	68	2710	60	2508	71	2662	97	3072	64	2634	80	2921	74	2759	101	3066	71	2736		
Oct. 5-11	37	1981	3																													

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF ACCUMULATED HEAT ABOVE 42° FAHRENHEIT IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										Channel Islands.		Means for the British Islands generally.									
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.						9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.			
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.				
DAY-DEGREES ABOVE 42° FAHRENHEIT.																																
1881.																																
Jan. 4-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Feb. 1-7	0	0	0	0	2	2	7	7	9	9	12	12	6	6	3	3	8	8	23	32	10	11	29	34	15	18	30	57	11	13	13	13
8-14	0	0	0	0	0	2	1	8	3	12	7	19	2	8	0	3	1	9	19	51	9	20	29	63	12	30	23	80	7	20	20	20
15-21	0	0	0	0	0	2	0	8	0	12	3	22	1	9	0	3	0	9	14	65	6	26	18	81	7	37	25	105	4	24	24	24
22-28	0	0	0	0	0	2	0	8	0	12	0	22	0	9	0	3	0	9	0	65	0	26	1	82	0	37	1	106	0	24	24	24
Mar. 1-7	0	0	0	0	0	2	9	17	11	23	25	47	9	18	0	3	2	11	22	87	7	33	27	109	12	49	25	131	11	35	35	35
8-14	11	11	38	38	27	29	36	53	39	62	34	81	35	53	25	28	27	38	34	121	38	71	46	155	34	83	45	176	34	69	69	69
15-21	5	16	18	56	31	60	47	100	44	106	45	126	37	90	24	52	25	63	34	155	32	103	36	191	30	113	42	218	34	103	103	103
22-28	0	16	1	57	4	64	6	106	8	114	14	140	7	97	2	54	3	66	13	168	9	112	16	207	8	121	16	234	7	110	110	110
29-April 4	0	16	2	59	0	64	10	116	12	126	18	158	8	105	5	59	6	72	17	185	9	121	18	225	11	132	16	250	10	120	120	120
April 5-11	11	27	20	79	8	72	23	139	32	158	37	195	24	129	24	83	25	97	31	216	22	143	35	260	27	159	29	279	26	146	146	146
12-18	28	55	31	110	28	100	48	187	60	218	62	257	46	175	43	126	51	148	60	276	48	191	50	310	50	209	69	348	48	194	194	194
19-25	11	66	26	136	15	115	25	212	21	239	32	289	24	199	26	152	24	172	29	305	33	224	36	346	30	239	24	372	27	221	221	221
26-May 2	17	83	34	170	40	155	51	263	53	292	50	339	45	244	35	187	44	216	46	351	48	272	60	406	47	286	57	429	46	267	267	267
May 3-9	32	115	45	215	42	197	54	317	63	355	59	398	53	297	44	231	45	261	60	411	59	331	69	475	55	341	68	497	54	321	321	321
10-16	37	152	59	274	53	250	62	379	69	424	58	456	60	357	49	280	48	309	57	468	58	389	63	538	55	396	62	559	58	379	379	379
17-23	31	183	54	328	62	312	74	453	72	496	76	532	68	425	63	343	70	379	71	539	67	456	78	616	70	466	81	640	69	448	448	448
24-30	78	261	80	408	80	392	111	564	116	612	120	652	101	526	107	450	107	486	106	645	99	555	102	718	104	570	100	740	102	550	550	550
May 31 to June 6	68	329	109	517	113	505	117	681	125	737	123	775	117	643	92	542	104	590	118	763	94	649	98	816	101	671	113	853	109	659	659	659
June 7-13	27	356	41	558	40	545	57	738	54	791	64	839	51	694	47	589	53	643	61	824	52	701	61	877	55	726	69	922	53	712	712	712
14-20	55	411	79	637	102	647	111	849	114	905	118	957	105	799	102	691	111	754	95	919	97	798	97	974	100	826	108	1030	103	815	815	815
21-27	64	475	101	738	104	751	116	965	111	1016	118	1075	110	909	90	781	102	856	102	1021	92	890	95	1069	96	922	113	1143	103	918	918	918
28-July 4	72	547	106	844	118	869	144	1109	127	1143	134	1209	126	1035	98	879	111	967	112	1133	106	996	112	1181	108	1030	122	1265	117	1035	1035	1035
July 5-11	77	624	106	950	132	1021	137	1246	134	1277	136	1345	129	1164	102	981	116	1083	116	1249	106	1102	113	1294	111	1141	131	1396	120	1155	1155	1155
12-18	97	721	118	1068	153	1154	180	1426	167	1444	181	1526	160	1324	113	1094	130	1213	139	1388	123	1225	132	1426	127	1268	153	1549	144	1299	1299	1299
19-25	71	792	95	1163	110	1264	136	1562	121	1565	141	1667	121	1445	95	1189	103	1316	120	1508	94	1319	105	1531	103	1371	133	1682	112	1411	1411	1411
26-Aug. 1	69	861	90	1253	103	1367	113	1675	109	1674	123	1790	107	1552	90	1279	102	1418	111	1619	90	1409	100	1631	99	1470	127	1809	103	1574	1574	1574
Aug. 2-8	88	949	115	1368	134	1501	144	1819	134	1808	136	1926	133	1685	111	1390	125	1543	125	1744	122	1531	124	1755	121	1591	143	1952	127	1641	1641	1641
9-15	62	1011	89	1457	95	1596	95	1914	90	1898	107	2033	95	1780	91	1481	92	1635	105	1849	88	1619	94	1849	94	1685	118	2070	94	1735	1735	1735
16-22	59	1070	75	1532	91	1687	106	2020	100	1998	113	2146	97	1877	80	1561	95	1730	105	1954	86	1705	89	1938	91	1776	119	2189	94	1829	1829	1829
23-29	46	1116	58	1590	78	1765	98	2118	91	2089	110	2256	87	1964	66	1627	88	1818	104	2058	69	1774	91	2029	84	1860	118	2307	86	1915	1915	1915
Aug. 30 to Sept. 5	54	1170	65	1655	74	1839	93	2211	80	2169	90	2346	80	2044	70	1697	77	1895	85	2143	75	1849	82	2111	78	1938	102	2409	79	1994	1994	1994
Sept. 6-12	65	1235	79	1734	81	1920	92	2303	83	2252	102	2448	87	2131	84	1781	87	1982	91	2234	85	1934	91	2202	88	2026	109	2518	88	2082	2082	2082
13-19	57	1292	72	1806	82	2002	104	2407	93	2345	112	2560	93	2224	83	1864	87	2069	101	2335	71	2005	74	2276	83	2109	124	2642	88	2170	2170	2170
20-26	70	1362	81	1887	87	2089	102	2509	99	2444	106	2666	95	2319	92	1956	95	2164	104	2439	84	2089	87	2363	92	2201	116	2758	94	2264	2264	2264
27-Oct. 3	71	1433	76	1963	77	2166	63	2572	71	2515	76	2742	73	2392	79	2035	81	2245	86	2525	87	2176	96	2459	86	2287	104	2862	79	2343	2343	2343
Oct. 4-10	53																															

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF ACCUMULATED HEAT ABOVE 42° FAHRENHEIT IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.						MEANS FOR GRAZING, &c. DISTRICTS.			
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.		
DAY-DEGREES ABOVE 42° FAHRENHEIT.																																
1882.																																
Jan. 3-9	-	2	2	7	7	13	13	26	26	28	28	27	27	20	20	11	11	22	22	27	27	12	12	28	28	20	20	38	38	20	20	
10-16	-	24	26	26	33	9	22	9	35	18	46	18	45	16	36	29	40	16	38	31	58	42	54	48	76	33	53	35	73	25	45	
17-23	-	23	49	18	51	8	30	0	35	0	46	0	45	5	41	18	58	6	44	3	61	22	76	25	101	15	68	1	74	10	55	
24-30	-	8	57	9	60	4	34	6	41	8	54	7	52	7	48	8	66	4	48	22	83	15	91	23	124	14	82	18	92	10	65	
Jan. 31 to Feb. 6	-	20	77	23	83	3	37	0	41	3	57	1	53	6	54	14	80	4	52	11	94	24	115	29	153	16	98	8	100	11	76	
Feb. 7-13	-	22	99	27	110	22	59	10	51	15	72	11	64	17	71	20	100	22	74	25	119	31	146	24	177	24	122	21	121	20	96	
14-20	-	10	109	17	127	28	87	29	80	29	101	31	95	27	98	38	138	21	95	28	147	28	174	25	202	28	150	36	157	28	124	
21-27	-	17	126	34	161	30	117	28	108	32	133	35	130	32	130	12	150	11	106	36	183	32	206	41	243	27	177	46	203	30	154	
Feb. 28 to Mar. 6	-	0	126	5	166	8	125	26	134	25	158	29	159	19	149	8	158	17	123	29	212	17	223	27	270	20	197	29	232	20	174	
Mar. 7-13	-	32	158	46	212	47	172	47	181	51	209	58	217	50	199	32	190	34	157	44	256	48	271	49	319	41	238	51	283	46	220	
14-20	-	25	183	29	241	50	222	65	246	62	271	60	277	53	252	31	221	37	194	48	304	43	314	42	361	40	278	56	339	46	266	
21-27	-	8	191	18	259	17	239	33	279	21	292	33	310	24	276	14	235	25	219	32	336	28	342	36	397	27	305	32	371	26	292	
28-April 3	-	20	211	29	288	27	266	47	326	46	338	49	359	40	316	26	261	32	251	14	350	31	373	39	436	29	334	51	422	34	326	
April 4 to 10	-	28	239	18	306	25	291	42	368	49	387	51	410	37	353	43	304	43	294	42	392	42	415	45	481	43	377	51	473	40	366	
11-17	-	0	239	4	310	22	313	40	408	40	427	43	453	30	383	16	320	33	327	44	436	34	449	36	517	32	409	56	529	31	397	
18-24	-	30	260	43	353	50	363	57	465	60	487	67	520	55	438	41	361	53	380	60	496	49	498	56	573	52	461	71	600	54	451	
25-May 1	-	14	283	32	385	31	394	40	505	38	525	39	559	36	474	27	388	28	408	37	533	33	531	34	607	32	493	46	646	34	485	
May 2-8	-	26	309	38	423	40	434	62	567	60	585	75	634	55	520	40	428	46	454	55	588	40	571	50	657	46	539	72	718	51	536	
9-15	-	32	341	45	468	46	480	56	623	61	646	71	705	56	595	46	474	50	504	71	659	56	627	67	724	58	597	78	796	57	593	
16-22	-	53	394	51	519	50	530	63	686	78	719	74	779	62	647	76	550	70	574	68	727	78	705	76	800	73	670	81	877	68	661	
23-29	-	64	458	87	606	93	623	106	792	95	814	106	885	97	744	85	635	91	665	88	815	79	784	85	885	86	756	97	974	91	752	
May 30 to June 5	-	73	531	85	691	85	708	92	884	90	904	104	989	91	835	91	726	93	758	92	907	90	874	100	985	93	849	103	1077	92	844	
June 6-12	-	54	585	69	760	79	787	86	970	77	981	92	1081	81	916	76	802	78	836	85	992	72	946	81	1066	78	927	92	1169	80	924	
13-19	-	41	626	60	820	69	856	71	1041	71	1052	81	1162	70	986	64	866	67	903	76	1068	67	1013	78	1144	71	998	91	1260	71	995	
20-26	-	75	701	95	915	97	953	109	1150	99	1151	107	1269	101	1087	90	956	95	998	92	1160	89	1102	85	1229	90	1088	104	1364	95	1090	
27-July 3	-	86	787	109	1024	108	1061	121	1271	126	1277	129	1398	119	1206	118	1074	121	1119	116	1276	120	1222	121	1350	119	1207	116	1480	119	1209	
July 4-10	-	93	880	111	1135	115	1176	116	1387	106	1383	113	1511	112	1318	108	1182	106	1225	101	1377	105	1327	101	1451	104	1311	110	1590	108	1317	
11-17	-	102	982	117	1252	124	1300	126	1513	120	1503	132	1643	124	1442	117	1299	116	1341	113	1490	108	1435	109	1560	113	1424	120	1710	119	1436	
18-24	-	99	1081	107	1359	118	1418	130	1643	118	1621	127	1770	120	1562	103	1402	111	1452	113	1603	102	1537	104	1664	107	1531	123	1833	113	1549	
25-31	-	91	1172	109	1468	110	1528	117	1760	115	1736	127	1897	116	1698	102	1504	106	1558	113	1716	104	1641	106	1770	106	1637	118	1951	111	1660	
Aug. 1-7	-	85	1257	118	1586	124	1652	133	1893	131	1867	144	2041	130	1808	112	1616	115	1673	130	1846	118	1759	131	1901	121	1758	130	2081	126	1786	
8-14	-	111	1368	137	1723	130	1782	127	2020	143	2010	141	2182	136	1944	125	1741	138	1811	135	1981	134	1893	138	2039	134	1892	148	2229	135	1921	
15-21	-	100	1468	121	1844	120	1902	125	2145	117	2127	126	2308	122	2066	100	1850	112	1923	120	2101	101	1994	104	2143	109	2001	128	2357	115	2036	
22-28	-	76	1544	99	1943	90	1992	100	2245	90	2217	109	2417	97	2163	90	1940	91	2014	101	2202	83	2077	91	2234	92	2093	114	2471	95	2131	
Aug. 29 to Sept. 4	-	74	1618	92	2035	102	2094	111	2356	106	2323	119	2536	106	2269	92	2032	99	2113	109	2311	103	2180	105	2339	101	2194	121	2592	104	2235	
Sept. 5-11	-	69	1687	79	2114	83	2177	87	2443	81	2404	102	2638	86	2355	76	2108	83	2196	89	2400	76	2256	81	2420	81	2275	117	2709	83	2318	
12-18	-	59	1746	61	2175	63	2240	71	2514	65	2469	69	2707	66	2421	63	2171	63	2259	64	2464	62	2318	62	2482	63	2338	80	2795	64	2382	
19-25	-	58	1804	75	2250	82	2322	85	2599	85	2552	92	2799	83	2504	75	2246	87	2346	80	2553	71	2389	77	2559	80	2418	103	2898	82	2464	
26-Oct. 2	-	57	1861	64	2314	76	2398	82	2681	76	2628	91	2890	78	2582	71	2317	82	2428	84	2637	52	2441	62	2621	70	2488	98	2996	74	2538	
Oct. 3-9	-	62	1923	74	2388	81	2479	81	2762	76	2704	90	2980	81	2663	76	2393	83	2511													

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF ACCUMULATED HEAT ABOVE 42° FAHRENHEIT IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—continued.

DATE.	LIMITS OF WEEKS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.								
		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.			
		Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.
DAY-DEGREES ABOVE 42° FAHRENHEIT.																															
1883.																															
Jan. 2-8	-	8	8	3	3	2	2	8	8	6	6	17	17	7	7	7	7	5	5	21	21	21	21	20	20	15	15	31	31	11	11
9-15	-	3	11	2	5	0	2	0	8	0	6	6	23	2	9	2	9	2	7	22	43	8	29	14	34	10	25	24	55	6	17
16-22	-	11	22	13	18	11	13	12	20	27	33	23	46	17	26	19	28	21	28	23	66	27	56	32	66	24	49	34	89	20	37
23-29	-	0	22	0	18	0	13	6	26	9	42	11	57	5	31	5	33	7	35	28	94	11	67	30	96	16	65	29	118	11	48
Jan. 30 to Feb. 5	-	0	22	4	22	1	14	8	34	7	49	12	69	6	37	1	34	5	40	14	108	1	68	10	106	6	71	21	139	6	54
Feb. 6-12	-	4	26	7	29	6	20	13	47	15	64	25	94	13	50	21	55	12	52	27	135	11	79	24	130	19	90	29	168	16	70
13-19	-	5	31	11	40	10	30	13	60	15	79	25	119	15	65	11	66	22	74	25	160	13	92	28	158	20	110	7	175	18	88
20-26	-	13	44	33	73	33	63	36	96	37	116	30	149	34	99	22	88	25	99	26	186	30	122	35	193	28	138	24	199	31	119
Feb. 27 to Mar. 5	-	23	67	35	108	34	97	20	116	35	151	32	181	31	130	28	116	32	131	34	220	35	157	36	229	33	171	24	223	32	151
Mar. 6-12	-	0	67	0	108	0	97	0	116	0	151	0	181	0	130	0	116	0	131	0	220	5	162	6	235	2	173	0	223	1	152
13-19	-	0	67	0	108	0	97	0	116	0	151	0	181	0	130	0	116	0	131	5	225	3	165	8	243	3	176	6	229	2	154
20-26	-	0	67	0	108	0	97	0	116	0	151	3	184	1	131	0	116	0	131	2	227	4	169	7	250	2	178	5	234	1	155
27-April 2	-	2	69	11	119	15	112	23	139	27	178	24	208	20	151	14	130	19	150	34	261	19	188	32	282	24	202	31	265	22	177
April 3-9	-	30	99	49	168	46	158	57	196	66	244	55	263	55	206	42	172	45	195	41	302	49	237	50	332	45	247	41	306	50	227
10-16	-	27	125	40	208	35	193	41	237	46	290	42	305	41	247	35	207	34	229	41	343	49	277	44	376	39	286	41	347	40	267
17-23	-	27	153	29	237	27	220	36	273	38	328	38	343	33	280	30	237	33	262	34	377	40	317	39	415	35	321	35	382	34	301
24-30	-	29	182	31	268	25	245	37	310	46	374	46	389	37	317	29	266	38	300	40	417	38	355	39	454	37	358	37	419	37	338
May 1-7	-	20	202	25	293	15	260	37	347	35	409	44	433	31	348	37	303	36	336	35	452	36	391	39	493	37	395	29	448	34	372
8-14	-	23	228	40	333	32	262	45	392	40	449	43	476	40	388	32	335	33	369	37	489	38	429	37	530	35	430	50	498	58	410
15-21	-	35	263	55	388	61	353	76	468	85	534	102	578	76	464	56	391	69	438	90	579	64	493	77	607	71	501	90	588	73	483
22-28	-	43	311	88	476	94	447	106	574	100	634	95	673	97	561	67	458	81	519	81	660	67	560	79	686	75	576	94	682	86	569
May 29 to June 4	-	48	359	74	550	83	530	94	668	96	730	104	777	90	651	80	538	92	611	96	756	82	642	90	776	88	664	97	779	89	658
June 5-11	-	48	407	63	613	66	596	84	752	95	825	108	885	83	734	77	615	85	696	102	858	89	731	98	874	90	754	100	879	86	744
12-18	-	54	461	80	693	88	684	90	842	86	911	97	982	88	822	75	688	84	780	90	948	81	812	85	959	83	837	96	975	86	830
19-25	-	61	522	73	766	88	772	106	948	93	1004	109	1091	94	916	80	768	93	873	85	1033	81	893	86	1045	85	922	97	1072	90	920
26-July 2	-	93	620	122	888	130	902	145	1093	137	1141	139	1230	135	1051	109	877	122	995	113	1146	102	995	107	1152	110	1032	128	1200	122	1042
July 3-9	-	103	723	127	1015	131	1033	146	1239	137	1278	139	1369	136	1187	121	998	132	1127	118	1264	115	1110	110	1262	119	1151	125	1325	128	1170
10-16	-	72	795	97	1112	107	1140	112	1351	102	1380	111	1480	106	1293	95	1093	104	1231	102	1366	90	1200	97	1359	98	1249	112	1437	102	1272
17-23	-	67	862	78	1190	81	1221	88	1439	82	1462	102	1582	86	1379	81	1174	87	1318	95	1461	81	1281	93	1452	87	1336	103	1540	87	1359
24-30	-	76	938	86	1276	90	1311	100	1539	98	1566	114	1696	98	1477	96	1270	101	1419	106	1567	86	1367	105	1557	99	1435	113	1653	98	1457
July 31 to Aug. 6	-	91	1029	114	1399	116	1427	125	1664	122	1682	134	1830	122	1599	105	1375	113	1532	116	1683	107	1474	114	1671	111	1546	126	1779	117	1574
Aug. 7-13	-	73	1102	92	1482	102	1529	109	1773	102	1784	120	1950	105	1704	92	1467	103	1635	105	1788	94	1568	101	1772	99	1645	123	1902	102	1676
14-20	-	107	1209	104	1586	117	1646	126	1899	122	1906	135	2085	121	1835	100	1567	111	1746	111	1899	104	1672	107	1879	107	1752	132	2034	114	1790
21-27	-	90	1299	125	1711	124	1770	130	2029	127	2033	148	2233	131	1956	108	1675	119	1865	128	2027	113	1785	120	1999	117	1869	141	2175	124	1914
Aug. 28 to Sept. 3	-	68	1367	91	1802	109	1879	127	2156	113	2146	133	2366	114	2070	96	1771	109	1974	113	2140	93	1878	102	2101	103	1972	125	2300	109	2023
Sept. 4-10	-	67	1434	83	1885	80	1959	82	2238	80	2226	90	2456	83	2153	78	1849	84	2058	92	2232	75	1953	88	2189	83	2055	102	2402	83	2106
11-17	-	74	1508	87	1972	99	2038	116	2354	109	2335	119	2575	106	2259	91	1940	102	2160	101	2333	88	2041	92	2281	95	2150	113	2515	101	2207
18-24	-	50	1558	58	2030	85	2143	111	2465	106	2441	115	2690	95	2354	83	2028	104	2264	113	2446	99	2140	109	2390	102	2252	125	2640	98	2395
25-Oct. 1	-	57	1615	71	2101	79	2222	85	2550	77	2518	92	2782	81	2435	71	2099	79	2343	86	2532	71	2211	80	2470	78	2330	98	2758	79	2384
Oct. 2-8	-	41	1656	55	2156	53	2275	43	2593	45	2563	46	2828	48	2483	47	2146	50	2393	58	2590	58	2269	64	2534	55	2385	74	2812	51	2435
9-15	-</																														

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF ACCUMULATED HEAT ABOVE 42° FAHRENHEIT IN EACH DISTRICT, FOR EACH OF THE SEVEN YEARS, 1878 TO 1884—*continued*.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														Channel Islands.		Means for the British Islands generally.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.							
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.				
DAY DEGREES ABOVE 42° FAHRENHEIT.																																
1884.																																
Jan. 1-7	3	3	3	3	6	6	20	20	20	20	18	18	13	13	8	8	17	17	28	28	15	15	28	28	19	19	35	35	16	16		
8-14	11	14	26	29	25	31	21	41	26	46	25	43	25	38	24	32	22	39	27	55	25	40	35	63	27	46	33	68	26	42		
15-21	26	40	31	60	22	53	11	52	22	68	22	65	22	60	27	59	20	59	24	79	29	69	40	103	28	74	29	97	25	67		
22-28	0	40	0	60	6	59	22	74	13	81	25	90	13	73	8	67	10	69	27	106	8	77	27	130	16	90	34	131	15	82		
Jan. 29 to Feb. 4	4	44	9	69	15	74	31	105	28	109	27	117	22	95	11	78	28	97	27	133	22	99	31	161	24	114	34	165	23	105		
Feb. 5-11	5	49	12	81	18	92	12	117	13	122	22	139	15	110	17	95	18	115	23	156	23	122	22	183	21	135	24	189	18	123		
12-18	8	57	10	91	7	99	11	128	12	134	21	160	12	122	15	110	9	124	23	179	13	135	27	210	17	152	29	218	15	138		
19-25	8	65	11	102	12	111	29	157	27	161	28	188	22	144	11	121	12	136	25	204	14	149	23	233	17	169	36	254	19	157		
Feb. 26 to Mar. 3	0	65	0	102	0	111	0	157	4	165	6	194	2	146	0	121	0	136	8	212	9	158	23	256	8	177	19	273	5	162		
Mar. 4-10	5	70	10	112	13	124	19	176	20	185	31	225	18	164	10	131	13	149	26	238	11	169	15	271	15	192	24	297	17	179		
11-17	26	96	41	153	42	166	50	226	57	242	44	269	47	211	34	165	45	194	42	280	37	206	43	314	40	232	56	353	43	222		
18-24	12	108	50	183	34	200	41	267	41	283	40	309	37	248	29	194	30	224	34	314	30	236	39	353	32	264	41	394	55	257		
25-31	12	120	11	194	6	206	13	280	8	291	21	330	12	260	9	203	6	230	18	332	10	246	24	377	14	278	21	415	13	270		
April 1-7	28	148	44	238	42	248	61	341	55	346	64	394	53	313	41	244	47	277	39	371	38	284	42	419	41	319	53	468	47	317		
8-14	25	173	30	268	26	274	31	372	39	385	40	434	33	346	40	284	36	313	39	410	46	330	47	466	42	361	43	511	37	354		
15-21	14	187	24	292	12	286	13	385	14	399	16	450	16	362	30	314	17	330	23	433	32	362	34	500	27	388	21	532	22	376		
22-28	25	212	22	314	14	300	21	406	24	423	22	472	21	383	26	340	20	350	29	462	37	399	42	542	31	419	29	561	26	402		
April 29 to May 5	17	229	33	347	32	332	49	455	41	464	44	516	40	423	28	368	31	381	37	499	32	431	42	584	34	453	48	609	37	439		
May 6-12	34	263	52	399	70	402	80	535	79	543	81	597	72	495	50	418	67	448	64	563	62	493	71	655	63	516	78	687	68	507		
13-19	34	297	56	455	74	476	90	625	79	622	88	685	77	572	48	466	63	511	62	625	51	544	66	721	58	574	73	760	67	574		
20-26	48	345	64	519	69	545	81	706	86	708	99	784	80	652	72	538	83	594	83	713	78	622	78	799	80	654	104	864	80	654		
May 27 to June 2	42	387	55	574	50	595	58	764	59	767	76	860	60	712	66	604	61	655	77	790	70	692	73	872	69	723	81	945	65	719		
June 3-9	46	433	55	629	58	653	72	836	78	845	78	938	68	780	69	673	70	725	68	858	58	750	64	936	66	789	69	1014	67	786		
10-16	55	488	91	720	92	745	90	935	102	947	106	1044	98	878	77	750	88	813	102	960	81	831	92	1028	88	877	98	1112	93	879		
17-23	64	552	94	814	85	830	92	1027	104	1051	113	1157	98	976	94	844	102	915	123	1083	102	933	113	1141	107	984	120	1232	102	981		
24-30	77	629	116	930	123	953	132	1159	134	1185	141	1298	129	1105	125	969	125	1040	127	1210	128	1061	132	1273	127	1111	125	1357	128	1109		
July 1-7	98	727	106	1036	131	1084	157	1316	148	1333	148	1446	138	1243	136	1105	141	1181	134	1344	134	1195	130	1493	135	1246	144	1501	137	1246		
8-14	109	836	134	1170	143	1227	159	1475	142	1475	150	1596	146	1389	132	1237	136	1317	128	1472	121	1316	120	1523	127	1373	134	1635	136	1382		
15-21	69	905	97	1267	112	1339	123	1598	119	1594	132	1728	117	1506	99	1336	108	1425	122	1594	101	1417	112	1635	108	1481	128	1763	113	1495		
22-28	57	962	81	1348	94	1433	111	1709	104	1698	117	1845	101	1607	89	1425	95	1520	109	1703	95	1512	109	1744	100	1581	116	1879	100	1581		
July 29 to Aug. 4	90	1052	116	1464	127	1560	146	1855	140	1838	150	1995	136	1743	129	1545	130	1650	139	1842	119	1631	127	1871	127	1708	143	2022	132	1727		
Aug. 5-11	113	1165	137	1601	136	1696	169	2024	172	2010	183	2181	160	1903	145	1690	159	1809	160	2002	139	1770	137	2008	148	1856	170	2192	154	1881		
12-18	111	1276	132	1733	151	1847	166	2190	152	2162	159	2340	152	2055	129	1819	139	1948	139	2141	129	1899	134	2142	134	1990	150	2342	143	2024		
19-25	94	1370	127	1860	139	1986	153	2343	140	2302	153	2496	143	2198	116	1935	139	2087	142	2283	113	2012	124	2266	127	2117	155	2497	135	2159		
Aug. 26 to Sept. 1	61	1431	74	1934	87	2073	102	2445	96	2398	113	2609	94	2292	74	2009	89	2176	109	2392	78	2090	88	2354	88	2205	120	2617	91	2250		
Sept. 2-8	64	1495	78	2012	88	2161	96	2541	92	2490	108	2717	92	2384	81	2090	87	2263	98	2490	87	2177	90	2444	89	2294	114	2731	91	2341		
9-15	93	1588	104	2116	112	2273	139	2680	137	2627	144	2861	127	2511	124	2214	130	2393	137	2627	123	2300	130	2574	129	2423	129	2860	128	2469		
16-22	84	1672	103	2219	116	2389	141	2821	132	2759	151	3012	129	2640	111	2325	126	2519	140	2767	110	2410	120	2694	121	2544	145	3005	125	2594		
23-29	57	1729	79	2298	89	2478	90	2911	87	2846	99	3111	80	2729	79	2404	88	2607	95	2862	74	2484	86	2780	84	2628	115	3120	86	2680		
Sept. 30 to Oct. 6	54	1783	62	2360	57	2535	60	2971	57	2923	72	3183	61	2790	60	2464	58	2665	70	2932	57	2541	64	2844	62	2690	102	3222	61	2741		
Oct. 7-13	25	1808	27	2387	31	2566	36	3007	31	2934	39	3222																				

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES FOR ACCUMULATED HEAT BELOW 42° FAHRENHEIT FOR EACH DISTRICT, IN EACH OF THE SEVEN YEARS, 1878 TO 1884.

DATE. — LIMIT OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.	6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.							
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.		Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.								
DAY-DEGREES BELOW 42° FAHRENHEIT.																															
1878.																															
Jan. 1-7 - -	27	27	21	21	19	19	21	21	9	9	6	6	15	15	11	11	4	4	0	0	8	8	0	0	5	5	0	0	10	10	
8-14 - -	32	59	34	55	30	49	33	54	23	32	33	39	31	46	34	45	27	31	24	24	26	34	22	22	27	32	7	7	29	39	
15-21 - -	24	83	11	66	9	58	11	65	3	35	4	43	8	54	4	49	0	31	0	24	1	35	0	22	1	33	0	7	5	44	
22-28 - -	48	131	51	117	44	102	23	88	31	66	26	69	35	89	39	88	25	56	7	31	33	68	13	35	33	56	0	7	29	73	
Jan. 29 to Feb. 4 -	31	162	38	155	37	139	40	128	42	108	38	107	39	128	37	125	31	87	30	61	32	100	25	60	31	87	8	15	35	108	
5-11 - -	10	172	21	176	35	174	42	170	39	147	36	143	35	163	13	138	30	117	19	86	16	116	3	63	16	103	8	23	25	133	
12-18 - -	30	202	22	198	14	188	13	183	11	158	6	149	13	176	13	151	9	126	0	80	10	126	0	63	7	110	0	23	10	143	
19-25 - -	8	210	12	210	9	197	10	193	8	166	5	154	9	185	4	155	0	126	0	80	1	127	0	63	1	111	0	23	5	148	
Feb. 26 to Mar. 4 -	10	220	4	214	0	197	0	193	0	165	0	154	1	186	0	155	0	126	0	80	0	127	0	63	0	111	0	23	1	149	
5-11 - -	33	253	32	246	14	211	10	203	5	171	4	158	13	199	10	165	1	127	0	80	2	129	0	63	3	114	0	23	8	157	
12-18 - -	24	277	36	282	29	240	38	241	32	203	49	207	37	236	29	194	21	148	13	93	16	145	7	70	17	131	0	23	27	184	
19-25 - -	31	308	31	313	31	271	25	266	24	227	18	225	26	262	16	210	25	173	10	103	20	165	9	79	16	147	0	23	21	205	
26-April 1 -	67	375	56	369	47	318	33	304	46	273	30	255	43	305	43	253	32	205	34	137	36	201	31	110	35	182	9	32	39	244	
April 2-8 - -	32	407	39	408	34	352	36	340	39	312	21	276	34	339	20	273	15	220	11	148	18	219	13	123	15	197	0	32	25	269	
9-15 - -	4	411	5	412	4	356	3	343	1	313	0	276	2	341	0	273	0	220	0	148	0	219	0	123	0	197	0	32	1	270	
16-22 - -	0	411	0	413	0	356	0	343	0	313	0	276	0	341	0	273	0	220	0	148	0	219	0	123	0	197	0	32	0	270	
23-29 - -	9	420	0	413	0	362	0	343	3	316	0	276	2	343	4	277	0	220	0	148	0	219	0	123	1	198	0	32	1	271	
April 30 to May 6 -	0	420	0	413	0	362	0	343	0	316	0	276	0	343	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	271	
7-13 - -	0	420	0	413	0	362	0	343	0	316	0	276	0	343	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	271	
14-20 - -	0	420	0	413	0	362	0	343	0	316	0	276	0	343	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	271	
21-27 - -	12	432	7	420	4	366	0	343	0	316	0	276	2	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	1	272	
May 28 to June 3 -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
June 4-10 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
11-17 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
18-24 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
25-July 1 -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
July 2-8 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
9-15 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
16-22 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
23-29 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
July 30 to Aug. 5 -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
Aug. 6-12 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
13-19 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
20-26 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
Aug. 27 to Sept. 2 -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
Sept. 3-9 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
10-16 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
17-23 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
24-30 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
Oct. 1-7 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
8-14 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
15-21 - -	0	432	0	420	0	366	0	343	0	316	0	276	0	345	0	277	0	220	0	148	0	219	0	123	0	198	0	32	0	272	
22-28 - -	9	441	13	433	9	375	7	359	8	324	0	276	7	352	4	281	1	221	0	148	3	222	0	122	2	200	0	32	5	277	
Oct. 29 to Nov. 4 -	25	466	23	456	31	406	32	382	35	359	30	306	30	382	18	299	21	242	9	157	9	231	17	140	15	215</					

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES FOR ACCUMULATED HEAT BELOW 42° FAHRENHEIT FOR EACH DISTRICT, IN EACH OF THE SEVEN YEARS, 1878 TO 1884—*continued.*

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.													Principal Grazing, &c. Districts.													Channel Islands.		Means for the British Islands Generally.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.					
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.		
DAY-DEGREES BELOW 42° FAHRENHEIT.																														
1879.																														
Dec 31, 1878 to Jan. 6	64	64	69	69	50	50	56	56	58	58	33	33	53	53	50	50	48	48	11	11	42	42	33	33	37	37	0	0	45	45
Jan. 7-13	49	113	76	145	73	123	99	155	102	160	85	118	87	140	67	117	78	126	51	62	54	96	32	65	56	93	33	33	72	117
14-20	34	147	59	204	50	173	46	201	57	217	41	159	51	191	42	159	46	172	10	72	25	121	17	82	28	121	3	36	39	156
21-27	61	208	93	297	85	258	85	286	88	305	78	237	86	277	85	244	85	257	68	140	72	193	59	141	74	195	46	82	80	236
Jan. 28 to Feb. 3	38	246	63	360	73	331	72	358	74	379	60	297	68	345	58	302	69	326	30	170	51	244	28	169	47	242	15	97	58	294
Feb. 4-10	24	270	34	394	25	356	13	371	12	391	9	306	19	364	23	325	19	345	2	172	20	264	4	173	14	256	0	97	16	310
11-17	43	313	49	443	40	396	24	395	24	415	18	324	31	395	36	361	25	370	3	175	20	284	8	181	18	274	0	97	25	335
18-24	71	384	84	527	69	465	58	453	60	475	48	372	64	459	58	419	50	420	33	208	39	323	35	216	43	317	20	117	53	388
Feb. 25 to Mar. 3	39	423	46	573	37	502	40	493	44	519	37	409	41	500	37	456	31	451	31	239	36	359	32	248	33	350	18	135	37	425
Mar. 4-10	28	451	14	587	15	517	25	518	23	542	20	429	19	519	10	466	10	461	12	251	9	368	8	256	10	360	0	135	15	440
11-17	76	527	67	654	41	558	31	549	34	576	25	454	40	559	42	508	27	488	10	261	30	398	8	264	24	384	3	138	32	472
18-24	37	564	41	695	28	586	27	576	26	602	20	474	28	587	32	540	23	511	8	269	29	427	24	288	23	407	0	138	25	497
25-31	34	598	38	733	32	618	33	609	35	637	27	501	33	620	32	572	30	541	22	291	32	459	30	318	29	436	8	146	31	528
April 1-7	21	619	13	746	17	635	14	623	19	656	10	511	15	635	12	584	14	555	6	297	16	475	10	338	12	448	9	155	14	542
8-14	22	641	24	770	28	663	28	651	28	684	23	534	26	661	25	609	24	579	23	320	21	496	21	349	23	471	7	162	24	566
15-21	32	673	32	802	27	690	29	680	32	716	17	551	27	688	29	638	23	602	11	331	20	516	10	359	18	489	1	163	23	589
22-28	20	693	16	818	10	700	13	693	11	727	5	556	11	699	10	648	6	608	0	331	3	519	0	359	4	493	0	163	7	596
April 29 to May 5	15	708	19	837	22	722	23	716	27	754	19	575	22	721	17	665	14	622	7	338	17	536	8	367	13	506	0	163	18	614
May 6-12	28	736	17	854	18	740	18	734	17	771	15	590	17	738	11	676	11	633	4	342	9	545	7	374	8	514	0	163	13	627
13-19	9	745	8	862	3	743	3	737	0	771	0	590	3	741	2	678	0	633	0	342	0	545	0	374	0	514	0	163	1	628
20-26	6	751	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
May 27 to June 2	2	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
June 3-9	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
10-16	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
17-23	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
24-30	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
July 1-7	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
8-14	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
15-21	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
22-28	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
July 29 to Aug. 4	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
Aug. 5-11	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
12-18	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
19-25	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
Aug. 26 to Sept. 1	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
Sept. 2-8	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
9-15	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
16-22	0	753	0	862	0	743	0	737	0	771	0	590	0	741	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	628
23-29	0	753	8	870	1	744	0	737	0	771	0	590	2	743	0	678	0	633	0	342	0	545	0	374	0	514	0	163	1	629
Sept. 30 to Oct. 6	0	753	5	875	0	744	0	737	0	771	0	590	1	744	0	678	0	633	0	342	0	545	0	374	0	514	0	163	1	630
Oct. 7-13	0	753	6	881	0	744	0	737	0	771	0	590	1	745	0	678	0	633	0	342	0	545	0	374	0	514	0	163	0	630
14-20	25	778	13	894	12	756	7	744	8	779	5	595	9	754	10	688	2	635	0	342	2	547	0	374	3	517	0	163	6	636
21-27	11	789	10	904	8	764	3	747	1	780	0	595	5	759	4	692	0	635	0	342	0	547	0	374	1	518	0	163	3	639
Oct. 28 to Nov. 3	21	810	29	933	11	775	3	750	6	78																				

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES FOR ACCUMULATED HEAT BELOW 42° FAHRENHEIT FOR EACH DISTRICT, IN EACH OF THE SEVEN YEARS, 1878 TO 1884—continued.

DATE.	LIMITS OF WEEKS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.							
		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.		
		Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	
DAY-DEGREES BELOW 42° FAHRENHEIT.																														
1880.																														
Dec.30,1879 to Jan.5	25	25	23	23	11	11	26	26	9	9	11	11	16	16	3	3	3	3	0	0	7	7	0	0	3	3	0	0	10	10
Jan. 6-12	20	45	32	55	35	46	56	82	50	59	52	63	45	61	15	18	32	35	14	14	12	19	6	6	16	19	29	29	30	40
13-19	46	91	62	117	71	117	71	153	69	128	68	131	68	129	57	75	56	91	31	45	36	55	34	40	43	62	18	47	56	96
20-26	29	120	54	171	72	189	78	231	90	218	82	213	75	204	64	139	76	167	61	106	81	136	50	90	66	128	41	88	70	166
Jan. 27 to Feb. 2	3	123	5	176	44	233	69	300	59	277	60	273	48	252	1	140	37	204	25	131	2	138	0	90	13	141	11	99	31	197
Feb. 3-9	18	141	23	199	20	262	31	331	26	303	25	298	27	279	17	157	24	228	0	131	12	150	7	97	12	153	1	100	20	217
10-16	24	165	35	234	30	292	29	360	28	331	15	313	27	306	31	188	26	254	9	140	33	183	26	123	25	178	0	100	26	243
17-23	8	173	7	241	9	301	9	369	11	342	4	317	8	314	5	193	7	261	0	140	9	192	4	127	5	183	0	100	6	249
Feb. 24 to Mar. 1	29	202	16	257	14	315	18	387	14	356	14	331	15	329	11	204	9	270	7	147	8	200	5	132	8	191	0	100	12	261
Mar. 2-8	26	228	10	267	10	325	2	389	3	359	0	331	5	334	8	212	6	276	0	147	6	206	0	132	4	195	0	100	4	265
9-15	15	243	23	290	22	347	19	408	18	377	12	343	19	353	11	223	13	289	0	147	8	214	15	147	9	204	0	100	14	279
16-22	27	270	39	329	36	383	39	447	41	418	16	359	34	387	20	243	22	311	3	150	14	228	4	151	13	217	0	100	24	303
23-29	27	297	31	360	29	412	45	492	29	447	22	381	31	418	17	260	24	335	8	158	17	245	11	162	15	232	0	100	23	326
Mar. 30 to April 5	8	305	11	371	7	419	8	500	6	453	4	385	7	425	6	266	2	337	0	158	9	254	0	162	3	235	0	100	5	331
April 6-12	10	315	13	384	12	431	17	517	16	469	10	395	14	439	7	273	9	346	3	161	10	264	7	169	7	242	0	100	11	342
13-19	7	322	6	390	6	437	3	520	6	475	0	395	4	443	4	277	6	352	0	161	4	268	1	170	3	245	0	100	3	345
20-26	6	328	5	395	2	439	1	521	4	479	0	395	3	446	1	278	0	352	0	161	1	269	0	170	1	246	0	100	2	347
April 27 to May 3	4	332	8	403	13	452	14	535	19	498	8	403	12	458	9	287	8	360	6	167	9	278	5	175	7	253	0	100	10	357
May 4-10	11	343	9	412	11	463	6	541	13	511	1	404	8	466	5	292	6	366	0	167	8	286	1	176	4	257	0	100	6	363
11-17	7	350	6	418	2	465	0	541	1	512	0	404	2	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	1	364
18-24	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
May 25-31	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
June 1-7	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
8-14	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
15-21	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
22-28	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
June 29 to July 5	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
July 6-12	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
13-19	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
20-26	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
July 27 to Aug. 2	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
Aug. 3-9	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
10-16	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
17-23	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
Aug. 24-30	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
31 to Sept. 6	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
Sept. 7-13	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
14-20	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
21-27	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
Sept. 28 to Oct. 4	0	350	0	418	0	465	0	541	0	512	0	404	0	468	0	292	0	366	0	167	0	286	0	176	0	257	0	100	0	364
Oct. 5-11	16	366	7	425	0	465	0	541	0	512	0	404	2	470	4	296	0	366	0	167	4	290	0	176	2	259	0	100	2	366
12-18	0	366	0	425	0	465	0	541	6	518	0	404	1	471	1	297	0	366	0	167	0	290	0	176	0	259	0	100	0	366
19-25	38	404	42	467	39	504	31	572	42	560	27	431	36	507	42	339	36	402	12	179	39	329	34	210	32	291	0	100	34	400
Oct. 26 to Nov. 1	36	440	28	495	25	529	17	589	39	590	15																			

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES FOR ACCUMULATED HEAT BELOW 42° FAHRENHEIT FOR EACH DISTRICT, IN EACH OF THE SEVEN YEARS, 1878 TO 1884—*continued.*

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.												CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.					
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.				
DAY DEGREES BELOW 42° FAHRENHEIT.																														
1881.																														
Jan. 4-10	55	55	85	85	48	48	41	41	55	55	32	32	52	52	61	61	52	52	28	28	38	38	29	29	42	42	18	18	47	47
11-17	128	178	130	215	131	179	132	173	145	200	109	141	130	182	137	198	116	168	81	109	103	141	102	131	108	150	42	60	119	166
18-24	95	273	117	332	117	296	129	302	142	342	116	257	124	306	113	311	107	275	96	205	115	256	103	234	107	257	55	115	115	281
25-31	32	305	71	403	82	378	61	363	71	413	59	296	65	371	52	363	56	331	33	238	42	298	35	269	43	300	11	126	54	335
Feb. 1-7	48	353	49	452	35	413	30	393	31	444	22	318	33	404	32	395	25	356	7	245	32	330	17	286	23	323	0	126	28	363
8-14	54	407	62	514	48	461	33	426	28	472	25	343	39	443	42	437	27	383	8	253	25	355	8	294	22	345	4	130	31	394
15-21	25	432	45	559	43	504	36	462	24	496	25	368	35	478	28	465	20	403	7	260	13	368	4	298	14	359	0	130	24	418
22-28	51	483	57	616	57	561	53	515	62	558	52	420	56	534	46	511	51	454	49	309	38	406	39	337	45	404	19	149	50	468
Mar. 1-7	64	547	71	687	51	612	33	548	32	590	15	435	41	575	48	559	31	485	11	320	31	437	12	349	27	431	3	152	34	502
8-14	20	567	16	703	6	618	2	550	0	590	0	435	5	580	3	562	0	485	0	320	0	437	0	349	0	431	0	152	3	505
15-21	25	592	33	736	19	637	20	570	17	607	13	448	20	600	13	575	7	492	4	324	8	445	2	351	7	438	0	152	14	519
22-28	62	654	46	782	44	681	47	617	47	654	37	485	44	644	39	614	38	530	27	351	41	486	30	381	35	473	8	160	39	558
29-April 4	57	711	49	831	50	731	46	663	52	706	38	523	47	691	47	661	46	576	34	385	47	533	42	423	43	516	12	172	45	603
April 5-11	32	743	39	870	32	763	34	697	29	735	16	539	30	721	35	696	36	612	11	396	28	561	12	435	24	540	2	174	27	630
12-18	15	758	12	882	7	770	0	697	0	735	0	539	4	725	2	698	0	612	0	396	0	561	0	435	1	541	0	174	3	633
19-25	29	787	14	896	25	795	16	713	19	754	16	555	18	743	15	713	11	623	11	407	6	567	5	440	10	551	2	176	14	647
26-May 2	23	810	3	899	2	797	3	716	0	754	0	555	1	744	1	714	0	623	0	407	0	567	0	440	0	551	0	176	0	647
May 3-9	15	825	4	903	4	801	9	725	5	759	1	556	5	749	3	717	0	623	0	407	0	567	0	440	1	552	0	176	3	650
10-16	0	825	3	906	0	801	7	732	6	765	4	560	4	753	0	717	0	623	0	407	0	567	0	440	0	552	0	176	2	652
17-23	6	831	0	906	0	801	0	732	0	765	0	560	0	753	0	717	0	623	0	407	0	567	0	440	0	552	0	176	0	652
24-30	0	831	0	906	0	801	0	732	0	765	0	560	0	753	0	717	0	623	0	407	0	567	0	440	0	552	0	176	0	652
May 31 to June 6	0	831	0	906	0	801	0	732	0	765	0	560	0	753	0	717	0	623	0	407	0	567	0	440	0	552	0	176	0	652
June 7-13	12	843	2	908	1	802	0	732	0	765	0	560	1	754	3	720	0	623	0	407	0	567	0	440	1	553	0	176	1	653
14-20	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
21-27	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
28-July 4	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
July 5-11	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
12-18	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
19-25	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
26-Aug. 1	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
Aug. 2-8	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
9-15	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
16-22	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
23-29	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
Aug. 30 to Sept. 5	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
Sept. 6-12	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
13-19	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
20-26	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
27-Oct. 3	0	843	0	908	0	802	0	732	0	765	0	560	0	754	0	720	0	623	0	407	0	567	0	440	0	553	0	176	0	653
Oct. 4-10	0	843	0	908	0	802	2	734	4	769	4	564	2	756	0	720	0	623	0	407	0	567	0	440	0	553	0	176	1	654
11-17	13	856	12	920	11	813	8	742	10	779	4	568	9	765	8	728	0	623	0	407	6	573	0	440	3	556	0	176	6	660
18-24	3	859	0	920	0	813	3	745	5	784	0	568	2	767	0	728	0	623	0	407	0	573	0	440	0	556	0	176	1	661
25-31	20	879	20	940	25	838	23	768	26	810	24	592	23	790	24	752	22	645	12	419	23	596	11	451	18	574	0	176	21	682
Nov. 1-7	4	883	15	955	9	847	6	774	9</																					

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES FOR ACCUMULATED HEAT BELOW 42° FAHRENHEIT FOR EACH DISTRICT, IN EACH OF THE SEVEN YEARS, 1878 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.							
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTRIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, N.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.						10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.			
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.		
DAY-DEGREES BELOW 42° FAHRENHEIT.																																
1882.																																
Jan. 3-9	-	-	28	28	32	32	21	21	14	14	14	14	11	11	19	19	19	19	7	7	3	3	22	22	10	10	12	12	0	0	16	16
10-16	-	-	5	33	7	39	16	37	17	37	11	25	6	17	11	30	0	19	4	11	0	3	0	22	0	10	1	13	0	0	6	23
17-23	-	-	4	37	7	46	23	60	40	71	36	61	43	60	30	60	3	22	17	28	22	25	11	33	6	16	12	25	14	14	21	43
24-30	-	-	20	57	22	68	25	85	29	100	30	91	24	84	26	86	15	37	23	51	10	35	15	48	9	25	14	39	7	21	29	63
Jan. 31 to Feb. 6	-	-	8	65	15	83	32	117	46	146	37	128	34	118	33	119	8	45	22	73	17	52	8	56	4	29	12	51	13	34	23	86
Feb. 7-13	-	-	11	76	14	97	14	131	29	175	15	143	21	139	19	138	3	48	10	83	6	58	4	60	1	30	5	56	0	40	12	98
14-20	-	-	33	109	35	132	11	142	14	189	13	156	9	148	16	154	10	58	5	88	4	62	9	69	9	39	7	63	0	40	11	109
21-27	-	-	6	115	3	135	2	144	6	195	2	158	0	148	3	157	12	70	11	99	0	62	0	69	0	39	5	68	0	40	4	113
Feb. 28 to Mar. 6	-	-	34	149	29	164	21	165	15	210	15	173	9	157	18	175	20	90	11	110	7	69	11	80	4	43	11	79	0	40	15	128
Mar. 7-13	-	-	15	164	13	177	9	174	5	215	4	177	0	157	6	181	4	94	0	110	0	69	10	90	0	43	3	82	0	40	4	132
14-20	-	-	3	167	5	182	6	180	24	239	22	199	16	173	15	196	0	94	3	113	8	77	4	94	0	43	3	85	0	40	9	141
21-27	-	-	33	200	32	214	28	208	21	260	21	220	17	190	24	220	23	117	13	126	8	85	14	108	10	53	14	99	0	40	19	160
28-April 3	-	-	13	213	10	224	5	213	6	266	6	226	0	190	5	225	5	122	2	128	14	99	4	112	3	56	5	104	0	40	5	165
April 4-10	-	-	14	227	26	250	11	224	10	276	17	243	8	198	14	239	16	138	13	141	5	104	9	121	6	62	10	114	0	40	12	177
11-17	-	-	38	265	27	277	14	238	9	285	11	254	1	199	13	252	23	161	6	147	0	104	11	132	2	64	8	122	0	40	11	188
18-24	-	-	10	275	6	283	0	238	0	285	0	254	0	199	1	253	0	161	0	147	0	104	0	132	0	64	0	122	0	40	0	188
25-May 1	-	-	20	295	12	295	9	247	10	295	11	265	7	206	10	263	11	172	8	155	5	109	15	147	11	75	10	132	0	40	10	198
May 2-8	-	-	7	302	6	301	0	247	0	295	1	266	0	206	1	264	3	175	0	155	0	109	8	155	3	78	3	135	0	40	2	300
9-15	-	-	6	308	6	307	3	250	2	297	2	268	0	206	3	267	3	178	0	155	0	109	1	156	0	78	1	136	0	40	2	302
16-22	-	-	3	311	6	313	2	252	5	302	7	275	0	206	4	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	2	304
23-29	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
May 30 to June 5	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
June 6-12	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
13-19	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
20-26	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
27-July 3	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
July 4-10	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
11-17	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
18-24	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
25-31	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
Aug. 1-7	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
8-14	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
15-21	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
22-28	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
Aug. 29 to Sept. 4	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
Sept. 5-11	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	304
12-18	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	1	305
19-25	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	305
26-Oct. 2	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	305
Oct. 3-9	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	305
10-16	-	-	0	311	0	313	0	252	0	302	0	275	0	206	0	271	0	178	0	155	0	109	0	156	0	78	0	136	0	40	0	305
17-23	-	-	0	311	3	316	0	252	0	302	0	275	0	206	1	274	0	178	0	155	0	109	0	156	0	78	0	136	0	40	1	306
24-30	-																															

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES FOR ACCUMULATED HEAT BELOW 42° FAHRENHEIT FOR EACH DISTRICT, IN EACH OF THE SEVEN YEARS, 1878 TO 1884—*continued*.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.												CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.					
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.				
DAY DEGREES BELOW 42° FAHRENHEIT.																														
1883.																														
Jan. 2-8	18	18	32	32	26	26	22	22	22	22	9	9	22	22	23	23	21	21	7	7	13	13	8	8	14	14	0	0	18	18
9-15	25	43	22	54	22	48	25	47	27	49	20	29	23	45	18	41	23	44	7	14	14	27	5	13	14	28	2	2	19	37
16-22	19	62	31	85	28	76	30	77	17	66	7	36	23	68	10	51	13	57	1	15	10	37	12	25	9	37	0	2	16	53
23-29	33	95	33	118	28	104	35	112	33	99	28	64	32	100	23	74	26	83	11	26	28	65	11	36	20	57	10	12	26	79
Jan. 30 to Feb. 5	35	130	41	159	29	133	35	147	35	134	25	89	33	133	27	101	28	111	26	52	31	96	33	69	29	86	7	19	31	110
Feb. 6-12	23	153	25	184	25	158	21	168	24	158	7	96	20	153	8	109	20	131	5	57	24	120	13	82	14	100	0	19	17	127
13-19	25	178	25	209	24	182	27	195	28	186	13	109	24	177	22	131	13	144	11	68	32	152	17	99	19	119	1	20	22	149
20-26	20	198	10	219	8	190	17	212	10	196	13	122	12	189	2	133	2	146	6	74	1	153	3	102	3	122	0	20	7	156
Feb. 27 to Mar. 5	9	207	17	236	17	207	20	232	17	213	18	140	18	207	12	145	13	159	7	81	11	164	1	103	9	131	2	22	14	170
Mar. 6-12	56	263	49	285	67	274	69	301	72	285	60	200	63	270	38	183	51	210	47	128	36	200	31	134	41	172	35	57	52	222
13-19	55	318	56	341	57	331	53	354	53	338	39	239	52	322	48	231	46	256	43	171	48	248	37	171	44	216	27	84	48	270
20-26	47	365	48	389	55	386	57	411	60	398	42	281	52	374	39	270	40	305	38	209	38	286	38	209	40	256	24	108	46	316
27-April 2	39	404	37	426	39	425	48	459	48	446	39	320	42	416	31	301	36	341	18	227	36	322	17	226	28	284	8	116	35	351
April 3-9	6	410	10	436	18	443	18	477	16	462	13	333	15	431	15	316	14	355	4	231	13	335	14	240	11	295	0	116	13	364
10-16	7	417	2	438	8	451	16	493	10	472	11	344	9	440	3	319	6	361	4	235	9	344	7	247	0	301	0	116	7	371
17-23	10	427	9	447	6	437	8	501	11	483	6	350	8	448	10	329	8	369	10	245	12	356	8	255	11	312	0	116	10	381
24-30	6	433	9	456	7	464	4	505	8	491	1	351	6	454	7	336	4	373	3	248	8	364	4	259	5	317	1	117	6	387
May 1-7	12	445	12	468	21	485	12	517	15	506	8	359	14	468	13	349	12	385	10	258	6	370	4	263	9	326	0	117	12	399
8-14	14	459	9	477	6	491	1	518	4	510	0	359	4	472	7	356	3	388	0	258	6	376	1	264	3	329	0	117	3	402
15-21	4	463	0	477	0	491	1	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
22-28	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
May 29 to June 4	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
June 5-11	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
12-18	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
19-25	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
26-July 2	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
July 3-9	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
10-16	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
17-23	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
24-30	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
July 31 to Aug. 6	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
Aug. 7-13	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
14-20	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
21-27	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
Aug. 28 to Sept. 3	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
Sept. 4-10	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
11-17	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
18-24	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
25-Oct. 1	0	463	0	477	0	491	0	518	0	510	0	359	0	472	0	356	0	388	0	258	0	376	0	264	0	329	0	117	0	402
Oct. 2-8	6	469	1	478	0	491	0	518	4	514	0	359	1	473	1	357	0	388	0	258	0	376	0	264	0	329	0	117	0	402
9-15	0	469	1	479	0	491	0	518	0	514	0	359	0	473	0	357	0	388	0	258	0	376	0	264	0	329	0	117	0	402
16-22	8	477	8	487	5	496	0	518	3	517	0	359	3	476	4	361	0	388	0	258	9	385	2	266	3	332	0	117	3	405
23-29	6	483	10	497	0	496	0	518	0	517	0	359	2	478	0	361	0	388	0	258	0	385	0	266	0	332	0	117	1	406
Oct. 30 to Nov. 5	0	483	0	497	2	498	0	518	5	522	0	359	1	479	0	361	0	388	0											

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES FOR ACCUMULATED HEAT BELOW 42° FAHRENHEIT FOR EACH DISTRICT, IN EACH OF THE SEVEN YEARS, 1878 TO 1884—continued.

DATE.	LIMITS OF WEEKS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.								
		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.			
		Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.
DAY-DEGREES BELOW 42° FAHRENHEIT.																															
1884.																															
Jan. 1-7	-	25	25	32	32	15	15	8	8	8	8	3	3	13	13	18	18	8	8	0	0	6	6	0	0	7	7	0	0	10	10
8-14	-	20	45	13	45	7	22	12	20	7	15	10	13	10	23	0	18	1	9	2	2	3	9	0	0	1	8	0	0	5	15
15-21	-	5	50	0	45	1	23	22	42	7	22	5	18	7	30	0	18	1	10	0	2	0	9	0	0	0	8	0	0	4	19
22-28	-	54	104	39	84	27	50	14	56	23	45	9	27	22	52	25	43	24	34	7	9	32	41	13	13	20	28	0	0	21	40
Jan. 29 to Feb. 4	-	34	138	31	115	24	74	11	67	15	60	6	33	17	69	22	65	14	48	7	16	15	56	10	23	13	41	0	0	15	55
Feb. 5-11	-	24	162	22	137	11	85	20	87	21	81	7	40	16	85	9	74	8	56	6	22	15	71	6	29	9	50	1	1	13	68
12-18	-	22	184	19	156	16	101	21	108	22	103	8	48	17	102	10	84	19	75	6	28	21	92	8	37	13	63	0	1	15	83
19-25	-	24	208	28	184	23	124	13	121	15	118	4	52	18	120	20	104	21	96	2	30	22	114	11	48	15	78	0	1	16	99
Feb. 26 to Mar. 3	-	28	236	39	223	39	163	44	165	38	156	33	85	39	159	35	139	32	128	15	45	21	135	2	50	21	99	1	2	30	129
Mar. 4-10	-	23	259	23	246	22	185	26	191	27	183	14	99	22	181	17	156	22	150	10	55	27	162	22	72	20	119	1	3	21	150
11-17	-	9	268	7	253	6	191	9	200	8	191	0	99	6	187	0	156	2	152	0	55	2	164	0	72	1	120	0	3	4	154
18-24	-	21	289	15	268	11	202	11	211	13	204	7	106	12	199	10	166	9	161	3	58	10	174	8	80	8	128	0	3	10	164
25-31	-	21	310	31	299	22	224	26	237	29	233	13	119	24	223	21	187	24	185	11	69	19	193	13	93	17	145	2	5	20	184
April 1-7	-	8	318	10	309	0	224	0	237	0	233	0	119	2	225	0	187	0	185	0	69	5	198	1	94	1	146	0	5	2	186
8-14	-	10	328	12	321	8	232	11	248	16	249	11	130	11	236	10	197	11	196	8	77	12	210	6	100	9	155	0	5	10	196
15-21	-	18	346	12	333	19	251	27	275	27	276	24	154	22	258	10	207	25	221	13	90	11	221	9	109	14	169	3	8	18	214
22-28	-	16	362	33	366	24	275	34	309	35	311	29	183	31	289	15	222	27	248	15	105	10	231	13	122	16	185	1	9	23	237
April 29 to May 5	-	21	383	13	379	8	283	12	321	9	320	3	186	9	298	9	231	6	254	0	105	10	241	5	127	6	191	0	9	8	245
May 6-12	-	8	391	1	380	0	283	0	321	0	320	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
13-19	-	5	396	0	380	0	283	0	321	0	320	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
20-26	-	0	396	0	380	0	283	0	321	1	321	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
May 27 to June 2	-	0	396	0	380	0	283	0	321	1	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
June 3-9	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
10-16	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
17-23	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
24-30	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
July 1-7	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
8-14	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
15-21	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
22-28	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
July 29 to Aug. 4	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
Aug. 5-11	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
12-18	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
19-25	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
Aug. 26 to Sept. 1	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
Sept. 2-8	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
9-15	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
16-22	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
23-29	-	0	396	0	380	0	283	0	321	0	322	0	186	0	298	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
Sept. 30 to Oct. 6	-	0	396	0	380	0	283	0	321	7	329	0	186	1	299	0	231	0	254	0	105	0	241	0	127	0	191	0	9	0	245
Oct. 7-13	-	5	401	6	386	8	291	3	324	12	341	6	192	7	306	8	239	6	260	3	108	6	247	6	133	6	197	0	9	7	252
14-20	-	0	401	0	386	0	291	0	324	0	341	0	192	0	306	0	239	0	260	0	108	0	247	0	133	0	197	0	9	0	252
21-27	-	0	401	0	386	0	291	9	333	5	346	0	192	3	309	0	239	0	260	0	108	0	247	0	133	0	197	0	9	2	254
Oct. 28 to Nov. 3	-	13	414	6	392	0	291	7	340	4	350	3	195	4</																	

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE, REGISTERED DURING EACH OF THE FIVE YEARS, 1880 TO 1884.

DATE. — LIMITS OF WEEKS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.							Principal Grazing, &c. Districts.							CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	Weekly.	Sums.	1.	2.	3.	4.	5.	MEANS FOR WHEAT PRODUCING DISTRICTS.	6.	7.	8.	9.	10.	MEANS FOR GRAZING, &c. DISTRICTS.	Weekly.	Sums.	Weekly.	Sums.		
			SCOTLAND, E.	ENGLAND, N.E.	ENGLAND, E.	MIDLAND COUNTIES.	ENGLAND, S.		SCOTLAND, W.	ENGLAND, N.W.	ENGLAND, S.W.	IRELAND, N.	IRELAND, S.							
NUMBER OF HOURS OF BRIGHT SUNSHINE.																				
1880.																				
Dec.30,1879 to Jan.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Jan. 6-12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
13-19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
20-26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Jan. 27 to Feb. 2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Feb. 3-9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
10-16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
17-23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Feb. 24 to Mar. 1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Mar. 2-8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
9-15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
16-22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
23-29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Mar.30 to Apr. 5	33	—	29	—	19	—	27	—	43	—	30	—	30	—	32	—	32	—		
Apr. 6-12	38	—	24	—	23	—	25	—	43	—	17	—	26	—	37	—	27	—		
13-19	14	—	22	—	29	—	28	—	19	—	30	—	26	—	24	—	27	—		
20-26	49	—	36	—	46	—	43	—	45	—	43	—	42	—	47	—	43	—		
Apr. 27 to May 3	25	—	47	—	53	—	50	—	46	—	48	—	49	—	50	—	59	—		
May 4-10	37	—	25	—	32	—	39	—	41	—	30	—	33	—	51	—	54	—		
11-17	87	—	56	—	47	—	68	—	57	—	65	—	59	—	67	—	78	—		
18-24	24	—	41	—	41	—	36	—	41	—	40	—	40	—	37	—	42	—		
May 25-31	56	—	48	—	47	—	41	—	40	—	51	—	45	—	37	—	41	—		
June 1-7	60	—	68	—	36	—	27	—	26	—	26	—	37	—	61	—	38	—		
8-14	49	—	41	—	40	—	46	—	44	—	40	—	42	—	54	—	42	—		
15-21	77	—	50	—	40	—	47	—	29	—	27	—	39	—	60	—	38	—		
22-28	29	—	32	—	23	—	27	—	38	—	39	—	32	—	26	—	28	—		
June 29 to July 5	37	—	28	—	28	—	40	—	37	—	45	—	36	—	25	—	26	—		
July 6-12	20	—	30	—	31	—	39	—	34	—	38	—	34	—	42	—	36	—		
13-19	30	—	34	—	9	—	30	—	37	—	31	—	28	—	26	—	22	—		
20-26	57	—	53	—	31	—	41	—	34	—	48	—	42	—	45	—	38	—		
July 27 to Aug. 2	20	—	17	—	41	—	40	—	42	—	39	—	36	—	45	—	49	—		
Aug. 3-9	35	—	41	—	40	—	38	—	35	—	37	—	38	—	49	—	39	—		
10-16	40	—	43	—	49	—	38	—	46	—	45	—	44	—	49	—	61	—		
17-23	6	—	16	—	14	—	18	—	11	—	38	—	20	—	21	—	28	—		
Aug. 24-30	51	—	27	—	41	—	34	—	34	—	24	—	32	—	43	—	45	—		
31-Sept. 6	32	—	46	—	56	—	56	—	49	—	49	—	51	—	35	—	36	—		
Sept. 7-13	39	—	24	—	41	—	43	—	35	—	31	—	35	—	43	—	37	—		
14-20	40	—	31	—	30	—	33	—	31	—	31	—	33	—	24	—	29	—		
21-27	13	—	19	—	21	—	13	—	9	—	18	—	16	—	12	—	14	—		
Sept. 28 to Oct. 4	14	—	33	—	36	—	19	—	18	—	27	—	27	—	33	—	23	—		
Oct. 5-11	38	—	37	—	14	—	6	—	5	—	13	—	13	—	24	—	13	—		
12-18	5	—	10	—	12	—	17	—	21	—	16	—	15	—	10	—	12	—		
19-25	23	—	34	—	29	—	19	—	22	—	15	—	24	—	34	—	29	—		
Oct. 26 to Nov. 1	23	—	21	—	18	—	18	—	12	—	18	—	18	—	20	—	19	—		
Nov. 2-8	9	—	28	—	27	—	28	—	24	—	24	—	26	—	23	—	25	—		
9-15	9	—	15	—	9	—	4	—	7	—	5	—	8	—	5	—	6	—		
16-22	18	—	26	—	18	—	21	—	19	—	21	—	16	—	25	—	30	—		
23-29	5	—	8	—	9	—	14	—	14	—	12	—	11	—	10	—	14	—		
Nov. 30 to Dec. 6	6	—	8	—	10	—	12	—	11	—	6	—	10	—	4	—	9	—		
Dec. 7-13	0	—	11	—	6	—	10	—	12	—	7	—	9	—	4	—	6	—		
14-20	2	—	12	—	12	—	7	—	4	—	2	—	7	—	9	—	7	—		
21-27	4	—	10	—	18	—	15	—	14	—	14	—	14	—	13	—	10	—		
28-Jan. 3, 1881	5	—	5	—	8	—	3	—	5	—	5	—	5	—	1	—	5	—		

Note.—The Sunshine Recorders were not in operation until the beginning of April 1880.

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE, REGISTERED DURING EACH OF THE FIVE YEARS, 1880 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.						
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.						10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.		
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	
NUMBER OF HOURS OF BRIGHT SUNSHINE.																															
1881.																															
Jan. 4-10	-	10	10	23	23	11	11	18	18	13	13	14	14	16	16	14	14	18	18	17	17	17	23	23	18	18	30	30	17	17	
11-17	-	7	17	15	38	20	31	19	37	12	25	13	27	16	32	11	25	19	37	22	39	11	28	17	40	16	34	21	51	16	33
18-24	-	14	31	15	53	4	35	9	46	10	35	10	37	9	41	15	40	14	51	21	60	19	47	22	62	18	52	25	76	14	47
25-31	-	8	39	16	69	7	42	12	58	8	43	8	45	10	51	6	46	16	67	17	77	14	61	22	84	15	67	17	93	12	59
Feb. 1-7	-	18	57	15	84	10	52	7	65	11	54	10	55	11	62	10	56	13	80	17	94	11	72	16	100	13	80	25	118	12	71
8-14	-	2	59	12	96	7	59	10	75	13	67	14	69	11	73	15	71	11	91	15	109	12	84	16	116	14	94	14	132	13	84
15-21	-	11	70	0	96	1	60	4	79	5	72	5	74	3	76	5	76	9	100	7	116	1	85	2	118	5	99	17	149	4	88
22-28	-	20	90	24	120	15	75	10	89	17	89	12	86	15	91	28	104	25	125	40	156	21	106	29	147	29	128	21	170	22	110
Mar. 1-7	-	22	112	18	138	17	92	24	113	15	104	16	102	17	106	6	110	12	137	14	170	11	117	15	162	12	140	19	189	15	125
8-14	-	23	135	23	161	19	111	25	138	16	120	10	112	19	127	10	120	7	144	6	176	12	129	20	182	11	151	21	210	15	140
15-21	-	6	141	33	194	30	141	43	181	38	158	31	146	36	163	27	147	24	168	39	215	22	151	17	199	26	177	45	255	31	171
22-28	-	15	156	35	229	35	176	30	211	38	196	36	182	35	198	28	175	26	194	48	263	41	192	40	239	36	213	27	282	35	206
29-April 4	-	27	183	42	271	37	213	61	272	61	257	63	245	53	251	61	236	52	246	61	324	65	257	68	307	61	274	37	319	57	263
April 5-11	-	58	241	27	298	47	250	59	331	44	301	27	272	41	292	58	294	52	298	26	350	49	306	40	347	45	319	23	342	43	306
12-18	-	52	293	31	329	18	278	35	366	39	331	34	306	30	322	31	325	25	323	31	381	25	331	29	376	28	347	30	372	29	335
19-25	-	22	315	25	354	25	303	19	385	24	355	21	327	23	345	32	357	32	355	36	417	42	373	34	410	35	382	31	403	29	364
26-May 2	-	28	343	27	381	27	330	37	422	29	384	23	350	28	373	23	380	23	378	21	438	17	390	23	433	22	404	34	437	25	389
May 3-9	-	53	396	58	439	53	383	51	473	54	438	55	495	54	427	65	445	60	438	61	499	55	445	60	493	60	464	62	499	57	446
10-16	-	33	429	52	491	45	428	47	520	47	485	45	450	47	474	53	498	54	492	74	573	54	499	61	554	59	523	72	571	53	499
17-23	-	32	461	50	541	66	494	67	587	63	551	64	514	63	537	61	559	65	557	72	645	62	561	73	627	67	590	68	639	65	564
24-30	-	63	524	83	624	83	577	66	653	45	596	46	560	65	602	63	622	56	613	53	698	47	608	53	680	54	644	45	684	60	624
May 31 to June 6	-	45	569	68	692	57	634	60	713	61	657	63	628	63	665	67	689	71	687	77	775	67	675	69	749	71	715	84	768	67	691
June 7-13	-	39	608	39	731	23	662	49	762	33	690	42	670	38	703	42	731	41	728	65	840	33	708	37	786	44	759	54	822	41	732
14-20	-	52	660	11	742	25	687	35	797	20	710	22	692	23	726	25	756	23	751	26	866	25	733	24	810	24	783	31	853	24	756
21-28	-	30	690	48	790	44	731	48	845	49	759	48	740	47	773	47	803	49	800	55	921	29	762	34	844	43	826	62	915	45	801
29-July 4	-	21	711	40	830	31	762	63	908	18	807	71	811	51	824	18	821	30	830	52	973	13	775	17	861	26	852	91	1006	38	839
July 5-11	-	10	721	20	850	41	803	50	958	43	850	53	864	42	866	19	840	34	864	45	1018	15	790	21	882	27	879	57	1063	35	874
12-18	-	28	749	45	895	60	863	82	1040	70	920	79	943	67	933	41	881	49	913	71	1089	33	823	39	921	47	926	95	1158	57	931
19-25	-	24	773	27	922	36	899	46	1086	37	957	39	982	37	970	41	922	32	945	32	1121	28	851	40	961	34	960	40	1198	35	966
26-Aug. 1	-	52	825	38	960	35	934	31	1117	39	996	38	1020	36	1006	31	953	32	977	44	1165	43	894	46	1007	30	999	46	1244	38	1004
Aug. 2-8	-	21	846	42	1002	43	977	48	1165	40	1036	43	1063	43	1049	31	984	34	1011	41	1206	29	923	29	1036	33	1032	80	1324	38	1042
9-15	-	19	865	31	1033	29	1006	18	1183	13	1049	25	1088	23	1072	39	1023	15	1026	35	1241	33	956	27	1063	30	1062	44	1368	27	1069
16-22	-	36	901	25	1058	23	1029	27	1210	32	1081	40	1128	29	1101	34	1057	26	1052	38	1279	33	989	31	1094	32	1094	51	1419	30	1099
23-29	-	46	947	36	1094	21	1050	34	1244	34	1115	39	1167	33	1134	15	1072	22	1074	45	1324	30	1019	31	1125	29	1123	41	1460	31	1130
Aug. 30 to Sept. 5	-	33	980	21	1115	10	1060	16	1260	13	1128	20	1187	16	1150	32	1104	23	1097	52	1376	40	1059	40	1165	37	1160	35	1495	27	1157
Sept. 6-12	-	7	987	8	1123	6	1066	14	1274	14	1142	18	1205	12	1162	17	1121	22	1119	32	1408	12	1071	19	1184	20	1180	29	1524	16	1173
13-19	-	11	998	4	1127	24	1090	34	1308	35	1177	38	1243	27	1189	28	1149	28	1147	40	1448	25	1096	26	1210	30	1210	52	1576	28	1201
20-26	-	23	1021	15	1142	18	1108	16	1324	22	1199	20	1263	18	1207	19	1168	20	1167	38	1486	26	1122	20	1239	26	1236	42	1618	22	1223
27-Oct. 3	-	33	1054	25	1167	34	1142	47	1371	47	1246	51	1314	41	1248	30	1198	41	1208	52	1538	32	1154	34	1273	38	1274	66	1684	39	1262
Oct. 4-10	-	26	1080	14	1181	20	1162	18	1389	18	1264	16	1330	17	1265	18	1216	23	1231	26	1564	19	1173	22	1295	22	1296	34	1718	20	1282
11-17	-	38	1118	34	1215	37	1199	31	1422																						

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE, REGISTERED DURING EACH OF THE FIVE YEARS, 1880 TO 1884—*continued*.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														Channel Islands.	Means for the British Islands generally.
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		Means for Wheat Producing Districts.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		Means for Grazing &c. Districts.					
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.				
NUMBER OF HOURS OF BRIGHT SUNSHINE.																														
1882.																														
Jan. 3-9 - -	6	6	23	23	14	14	15	15	19	19	17	17	18	18	8	8	9	9	16	16	11	11	17	17	12	12	21	21	15	15
10-16 - -	5	11	7	30	4	18	5	20	4	23	2	19	4	22	1	9	2	11	3	19	3	14	3	20	2	14	6	27	3	18
17-23 - -	3	14	11	44	14	32	3	23	8	31	4	23	9	31	5	14	6	17	6	25	14	28	13	33	9	23	2	29	9	27
24-30 - -	10	24	16	60	8	40	9	32	3	34	1	24	7	38	7	91	10	27	8	33	13	41	12	45	10	33	12	41	9	36
Jan. 31 to Feb. 6 -	5	29	14	74	9	49	17	49	15	49	13	37	14	52	3	24	6	33	20	53	11	52	13	58	10	43	20	61	12	48
Feb. 7-13 - -	5	34	14	88	10	59	10	59	10	59	10	47	11	63	10	34	10	43	13	66	16	68	10	68	12	55	22	83	12	60
14-20 - -	13	47	34	122	27	86	19	78	17	76	16	63	22	85	19	53	15	58	22	88	20	88	20	88	19	74	32	115	20	80
21-27 - -	6	53	30	152	13	99	3	81	3	79	7	70	11	96	6	59	6	64	9	97	8	96	10	98	8	82	31	146	10	90
Feb. 28 to Mar. 6 -	15	68	16	168	10	109	19	100	19	98	20	99	19	115	10	69	8	72	28	125	14	110	14	112	15	97	27	173	17	107
Mar. 7-13 - -	16	84	32	200	24	133	21	121	19	117	15	114	22	137	18	87	14	86	17	142	20	130	28	140	18	115	7	180	20	127
14-20 - -	8	92	40	240	46	179	55	176	41	158	55	169	47	184	22	109	34	120	45	187	35	165	33	173	31	149	61	244	41	168
21-27 - -	40	132	46	286	31	210	29	205	23	186	34	203	34	218	33	142	23	143	34	221	31	196	33	206	31	180	45	289	32	200
28-April 3 -	37	169	8	294	20	230	39	244	25	211	36	239	25	243	12	154	16	159	21	242	31	227	28	234	22	202	35	324	24	224
April 4-10 - -	46	215	37	331	56	286	63	307	50	261	55	294	52	295	59	213	53	212	61	303	47	274	58	292	56	258	68	392	54	278
11-17 - -	25	240	11	342	9	205	29	336	23	287	28	322	21	316	16	229	17	229	25	328	29	294	20	312	20	278	32	424	20	298
18-24 - -	24	264	36	378	26	321	30	366	38	325	36	358	33	349	29	238	29	258	43	371	33	330	36	348	34	312	51	475	34	332
25-May 1 - -	32	296	32	410	41	362	37	403	37	362	40	398	37	386	36	294	32	270	45	416	40	370	43	391	39	351	58	533	38	370
May 2-8 - -	41	337	33	443	35	397	29	432	49	411	44	442	38	424	45	339	52	342	54	470	49	419	61	452	52	403	50	583	45	415
9-15 - -	62	399	49	492	62	459	62	494	60	471	56	498	58	482	65	404	69	411	56	526	68	487	63	515	64	467	70	633	61	476
16-22 - -	94	493	75	567	81	540	87	581	69	540	75	573	77	559	81	485	80	491	72	598	84	571	76	591	79	546	77	730	78	554
23-29 - -	51	544	71	638	54	594	60	641	43	583	45	618	55	614	40	534	45	536	41	639	47	618	49	640	46	592	51	781	51	605
May 30 to June 5 -	48	592	61	699	46	640	57	698	38	621	38	656	48	662	43	583	43	579	39	678	50	668	41	681	44	636	37	818	46	651
June 6-12 - -	36	628	24	723	48	688	39	737	41	662	44	700	39	701	39	622	40	619	60	738	36	704	51	732	45	681	52	870	42	693
13-19 - -	37	665	47	770	46	734	36	773	37	699	42	742	42	743	41	663	40	659	53	791	34	738	41	773	52	723	68	938	42	735
20-26 - -	41	706	38	808	32	766	36	809	31	730	33	775	34	777	48	711	29	688	50	841	46	784	52	825	45	768	41	979	40	775
27-July 3 - -	40	746	52	860	38	804	43	852	42	772	38	813	42	819	49	760	57	745	45	886	33	820	41	866	46	814	39	1018	44	819
July 4-10 - -	51	797	40	900	44	848	50	902	44	816	43	856	44	863	46	806	44	789	51	937	30	850	40	906	42	856	36	1054	43	862
11-17 - -	29	826	59	959	48	896	38	940	31	847	38	894	43	905	36	842	31	820	29	968	21	871	28	934	29	885	47	1101	36	898
18-24 - -	39	865	52	1011	49	945	64	1004	47	894	52	946	53	959	45	887	38	858	49	1015	43	914	41	975	43	928	57	1158	48	946
25-31 - -	24	889	49	1060	48	993	50	1054	34	928	46	992	45	1004	36	923	44	902	58	1073	29	943	33	1008	40	968	61	1222	42	988
Aug. 1-7 - -	13	902	34	1094	57	1050	45	1099	48	976	53	1045	47	1051	41	964	34	236	59	1132	19	962	38	1046	38	1006	70	1292	43	1031
8-14 - -	16	918	62	1156	51	1101	42	1141	46	1022	37	1082	48	1099	52	1016	53	989	47	1179	49	1093	49	1095	49	1055	50	1351	48	1079
15-21 - -	23	941	28	1184	33	1134	43	1184	29	1051	20	1111	32	1131	34	1050	37	1226	39	1218	38	1041	38	1133	37	1092	45	1395	34	1113
22-28 - -	17	958	24	1208	26	1160	24	1208	23	1074	32	1143	26	1157	30	1080	15	1041	30	1248	16	1057	20	1153	22	1114	45	1441	24	1137
Aug. 29 to Sept. 4 -	17	975	23	1231	24	1184	30	1238	26	1100	32	1175	27	1184	29	1109	16	1057	29	1277	21	1078	28	1181	25	1139	41	1482	26	1163
Sept. 5-11 - -	42	1017	52	1283	39	1223	40	1278	40	1140	38	1213	42	1226	47	1156	38	1095	54	1331	45	1123	47	1228	46	1185	34	1516	44	1207
12-18 - -	32	1049	21	1304	31	1254	32	1310	42	1182	42	1255	34	1260	34	1190	35	1130	44	1375	31	1154	38	1266	36	1221	54	1570	35	1242
19-25 - -	14	1063	2	1306	10	1264	25	1335	16	1198	24	1279	15	1275	12	1202	13	1143	18	1393	20	1174	23	1289	17	1238	43	1613	16	1238
26-Oct. 2 - -	19	1082	28	1334	25	1289	36	1371	23	1223	27	1306	28	1303	21	1223	27	1170	21	1414	18	1192	23	1312	22	1260	33	1646	25	1283
Oct. 3-9 - -	10	1092	9	1343	17	1306	25	1396	21	1244	26	1332	20	1323	16	1239	24	1194	27	1441	15	1207	20	1333	20	1280	28	1674	20	1303
10-16 - -	13	1105	6	1349	4	1310	4	1400	3	1247	8	1340	5	1328	5	1244	5	1199	12	1453	21	1228	26	1358	14	1294	18	1692	10	

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE REGISTERED, DURING EACH OF THE FIVE YEARS, 1880 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										Channel Islands.		Means for the British Islands generally.							
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.						9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.	
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.					Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.
NUMBER OF HOURS OF BRIGHT SUNSHINE.																														
1883.																														
Jan. 2-8	9	9	6	6	9	9	9	9	12	12	15	15	10	10	6	6	11	11	22	22	18	18	20	20	15	15	16	16	13	13
9-16	18	27	1	7	1	10	8	17	7	19	8	23	5	15	8	14	10	21	7	29	8	26	8	28	8	23	19	35	6	19
16-22	13	40	10	26	11	21	11	28	10	29	5	28	11	26	11	25	13	34	13	42	15	41	15	43	14	37	11	46	13	32
23-29	3	43	16	42	12	33	22	50	17	46	18	46	17	43	8	33	7	41	7	49	9	50	9	52	8	45	16	62	12	44
Jan. 30 to Feb. 5	8	51	15	57	11	44	30	80	17	63	23	69	19	62	7	40	11	52	21	70	5	55	10	62	11	56	32	94	15	59
Feb. 6-12	14	65	14	71	10	54	15	95	18	81	16	85	15	77	22	62	19	71	15	85	22	77	21	83	20	76	22	116	17	76
13-19	16	81	14	85	21	75	24	119	26	107	24	109	22	99	19	81	21	92	20	114	17	94	20	103	21	97	37	153	22	98
20-26	16	97	41	126	32	107	27	146	23	130	19	128	28	127	15	96	20	112	13	127	14	108	18	121	16	113	27	180	22	120
Feb. 27 to Mar. 5	23	120	30	136	34	141	30	176	34	164	34	162	32	159	26	122	42	154	36	163	18	126	27	148	30	143	39	219	31	151
Mar. 6-12	27	147	30	186	25	166	35	211	32	196	36	198	32	191	31	153	32	186	44	207	22	148	33	181	32	175	43	262	32	183
13-19	34	181	22	208	33	199	16	227	24	220	27	225	25	216	23	176	23	209	31	238	35	183	38	219	30	205	24	286	28	211
20-26	35	216	26	234	19	218	33	260	29	249	40	265	29	245	28	204	17	226	41	279	29	212	30	249	29	234	41	327	29	240
27-April 2	29	245	40	274	48	266	52	312	42	291	42	307	45	290	45	249	42	268	45	324	30	242	33	282	39	273	48	375	42	282
April 3-9	27	272	45	319	45	311	56	368	53	344	56	363	51	341	50	299	51	319	54	378	60	302	60	342	55	328	56	431	53	335
10-16	28	300	33	352	22	333	29	397	24	368	29	392	27	368	29	328	28	347	30	417	28	330	40	382	33	361	57	488	30	365
17-23	33	353	33	385	22	355	41	438	28	396	34	426	32	400	31	359	33	380	42	459	50	380	48	430	40	401	51	539	36	401
24-30	43	396	37	422	27	382	22	460	29	425	34	460	30	430	20	379	26	406	53	512	29	409	36	466	33	434	46	585	32	433
May 1-7	21	417	10	432	51	433	46	506	26	451	41	501	35	465	52	431	54	460	38	550	35	444	55	521	47	481	49	634	41	474
8-14	28	445	52	484	29	462	24	530	19	470	21	522	29	494	36	467	34	494	20	570	46	490	41	562	35	516	28	662	32	506
15-21	36	481	43	527	45	507	53	583	36	506	40	571	45	539	43	510	47	541	53	623	42	532	63	625	50	566	78	740	48	554
22-28	27	508	42	569	62	567	65	648	60	566	68	639	59	598	49	559	61	602	48	671	40	572	34	659	46	612	62	802	52	606
May 29 to June 4	54	562	69	638	58	627	75	723	69	635	64	703	67	665	59	618	64	666	60	731	50	622	44	703	55	667	71	873	61	667
June 5-11	53	615	42	680	20	647	54	777	36	671	40	743	38	703	57	675	60	726	42	773	50	672	56	759	53	720	38	911	46	713
12-18	33	648	37	717	23	670	36	813	46	717	54	797	39	742	41	716	40	766	73	846	34	706	44	803	47	767	78	989	43	766
19-25	51	699	33	750	30	700	33	846	24	741	33	830	31	773	29	745	25	791	23	869	29	735	30	833	27	794	50	1039	29	785
26-July 2	31	730	49	799	36	736	66	912	52	793	52	882	51	824	25	770	27	818	36	905	18	753	25	858	26	820	59	1098	38	823
July 3-9	45	775	40	839	34	770	50	962	38	831	44	926	41	865	28	798	26	844	34	939	25	778	23	881	27	847	48	1146	34	857
10-16	27	802	29	868	40	810	39	1001	35	866	42	968	37	902	46	844	49	893	41	980	37	815	40	921	43	890	56	1202	40	897
17-23	33	835	18	886	36	846	30	1031	18	884	23	991	25	927	46	890	35	928	26	1006	31	846	27	948	33	923	29	1231	29	925
24-30	17	852	26	912	51	877	32	1063	33	917	35	1026	32	959	49	939	41	969	56	1062	28	874	33	981	41	964	66	1297	37	963
July 31 to Aug. 6	7	859	35	947	31	908	27	1090	15	932	23	1049	26	985	36	975	37	1006	21	1083	11	885	17	998	24	988	65	1362	25	988
Aug. 7-13	37	896	33	980	41	949	54	1144	47	979	57	1106	46	1031	32	1007	31	1037	44	1127	28	913	34	1032	34	1022	60	1422	40	1028
14-20	13	909	39	1019	48	997	46	1190	50	1029	46	1152	46	1077	31	1038	39	1076	40	1167	24	937	25	1057	32	1054	48	1470	39	1067
21-27	22	931	43	1062	36	1033	50	1240	45	1074	58	1210	47	1124	38	1076	44	1120	58	1225	29	966	45	1102	43	1097	67	1537	45	1112
Aug. 28 to Sept. 3	17	948	27	1089	21	1054	26	1266	20	1094	25	1235	24	1148	19	1095	14	1134	20	1245	16	982	21	1123	18	1115	20	1557	21	1133
Sept. 4-10	46	994	36	1125	38	1092	34	1300	33	1127	27	1262	33	1181	38	1133	35	1169	38	1283	35	1017	35	1158	36	1151	29	1586	35	1168
11-17	36	1030	31	1156	30	1122	39	1339	37	1164	36	1298	35	1216	43	1176	52	1221	42	1325	31	1048	36	1194	41	1192	58	1624	38	1206
18-24	26	1056	19	1175	12	1134	25	1364	16	1180	20	1318	18	1234	16	1192	17	1238	20	1345	16	1064	23	1217	19	1211	37	1661	18	1224
25-Oct. 1	16	1072	20	1195	17	1151	32	1396	23	1206	35	1353	26	1260	26	1218	18	1256	30	1375	22	1086	30	1247	25	1236	24	1685	26	1250
Oct. 2-8	39	1111	44	1239	31	1182	19	1415	20	1226	23	1376	27	1287	34	1252	21	1277	30	1405	27	1113	25	1272	28	1264	31	1716	28	1278
9-15	24	1135	18	1257	16	1198	16	1431	19	1245	24	1400	19	1306	15	1267	12	1289	21	1426	9	1122	18	1290	15	1279	38	1754	17	1295
16-22	13	1148	33	1290	33	1231	36																							

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE, REGISTERED DURING EACH OF THE FIVE YEARS, 1880 TO 1884—*continued.*

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.							
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.		
	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.			Weekly.	Sums.	Weekly.	Sums.	Weekly.	Sums.	
NUMBER OF HOURS OF BRIGHT SUNSHINE.																													
1884.																													
Jan. 1-7	-	1	1	3	3	0	0	4	4	2	2	2	2	2	2	1	1	0	0	4	4	3	3	4	4	2	2	2	2
8-14	-	3	4	18	21	9	9	7	11	7	9	10	12	10	12	5	6	3	3	7	11	4	7	5	9	5	7	21	23
15-21	-	3	7	19	40	5	14	6	17	2	11	4	16	7	19	6	12	4	7	0	11	5	12	5	14	4	11	13	56
22-28	-	2	9	14	54	10	24	14	31	14	25	14	30	14	33	9	21	6	13	7	18	8	20	9	23	8	19	14	50
Jan. 29 to Feb. 4	-	8	17	14	68	0	24	7	38	5	30	4	34	6	39	9	30	7	20	6	24	9	29	10	33	8	27	12	62
Feb. 5-11	-	8	25	14	82	14	28	10	48	9	39	8	42	9	48	9	39	4	24	13	37	15	44	14	47	11	38	17	79
12-18	-	22	47	5	87	12	40	23	71	13	52	20	62	14	62	7	46	9	33	9	46	11	55	14	61	10	48	14	93
19-25	-	21	68	24	111	19	59	18	89	22	74	21	83	21	83	17	63	16	49	13	59	18	73	17	78	16	64	28	121
Feb. 26 to Mar. 3	-	20	88	11	122	8	67	19	108	15	89	16	99	14	97	9	72	13	62	8	67	5	78	8	86	9	73	19	140
Mar. 4-10	-	23	111	8	130	21	88	18	126	22	111	25	124	19	116	24	96	19	81	28	95	18	96	16	102	21	94	40	180
11-17	-	14	125	17	147	24	112	31	157	27	138	30	154	26	142	12	108	19	100	28	123	15	111	18	120	19	113	47	227
18-24	-	20	145	37	184	30	142	40	197	34	172	34	188	35	177	25	133	27	127	39	162	22	133	29	149	28	141	51	278
25-31	-	31	176	15	199	8	150	9	206	7	179	8	196	9	186	9	142	7	134	11	173	11	144	18	167	11	152	27	305
April 1-7	-	35	211	18	217	33	183	35	241	21	200	22	218	26	212	31	173	28	162	21	194	29	173	43	210	30	182	16	321
8-14	-	43	254	29	246	33	216	30	271	33	233	33	251	32	244	45	218	43	205	50	244	59	232	52	262	50	232	65	386
15-21	-	23	277	15	261	21	237	27	298	12	245	18	269	18	262	23	241	26	231	25	269	18	250	22	284	23	255	21	407
22-28	-	18	295	68	329	25	262	33	331	33	278	28	297	37	299	24	265	26	257	49	318	34	284	38	322	34	289	55	462
April 29 to May 5	-	42	337	36	365	38	290	34	365	32	310	28	325	32	331	28	293	27	284	31	349	27	311	33	355	29	318	45	507
May 6-12	-	29	366	30	395	36	326	58	423	51	361	55	380	46	377	23	316	30	314	39	388	24	335	32	387	30	348	65	572
13-19	-	29	395	42	437	47	373	40	463	41	402	34	414	41	418	29	345	43	357	45	433	24	359	31	418	34	382	41	613
20-26	-	54	449	45	482	80	453	84	547	70	472	68	482	69	487	66	411	76	433	66	499	39	398	53	471	60	442	80	693
May 27 to June 2	-	48	497	39	521	32	485	39	586	33	505	44	526	37	524	44	455	43	476	50	549	50	448	52	523	48	490	70	763
June 3-9	-	55	552	40	561	23	508	33	619	13	518	8	534	23	547	39	494	35	511	33	582	25	473	25	548	31	521	38	801
10-16	-	20	572	42	603	47	555	59	678	52	570	49	583	50	597	45	539	59	570	62	644	28	501	38	586	46	567	67	868
17-23	-	10	582	17	620	11	566	35	713	32	602	33	616	26	623	35	574	30	600	67	711	21	522	36	622	38	605	71	939
24-30	-	47	629	43	663	73	639	68	781	53	655	63	679	60	683	40	614	48	648	43	754	29	551	33	655	39	644	65	1004
July 1-7	-	41	670	10	673	33	672	59	840	47	702	59	738	41	724	36	650	34	682	48	802	26	577	29	684	34	678	60	1064
8-14	-	42	712	35	708	49	721	46	886	30	732	33	771	39	763	40	690	35	717	46	848	53	630	49	733	45	723	27	1091
15-21	-	31	743	46	754	40	761	33	919	40	772	33	804	38	801	46	736	47	764	34	882	37	667	36	769	40	763	27	1118
22-28	-	41	784	42	796	19	780	32	951	19	791	27	831	28	829	28	764	20	784	35	917	26	693	31	800	28	791	36	1154
July 29 to Aug. 4	-	18	802	30	826	20	800	39	990	35	826	45	876	34	863	14	778	17	801	48	965	18	711	17	817	23	814	58	1212
Aug. 5-11	-	29	831	42	868	59	859	68	1058	64	890	68	944	60	923	57	835	61	865	69	1034	41	752	56	873	67	871	72	1284
12-18	-	20	851	38	906	48	907	52	1110	51	941	58	1002	50	973	31	866	41	906	46	1080	21	773	27	900	33	904	65	1349
19-25	-	22	873	39	945	50	957	56	1166	60	1001	56	1058	52	1025	44	910	55	961	64	1144	31	804	40	940	47	951	61	1410
Aug. 26 to Sept. 1	-	29	902	41	986	17	974	16	1182	20	1021	20	1078	23	1048	19	929	18	979	23	1167	14	818	23	963	19	970	28	1438
Sept. 2-8	-	40	942	44	1030	28	1002	27	1209	28	1049	29	1107	31	1079	49	978	37	1016	37	1204	27	845	35	998	37	1007	39	1477
9-15	-	42	984	28	1058	34	1036	51	1260	25	1074	31	1138	34	1113	31	1009	35	1051	41	1245	30	875	33	1031	34	1041	51	1528
16-22	-	13	997	18	1076	28	1064	43	1303	40	1114	48	1186	35	1148	23	1032	34	1085	43	1288	28	903	35	1066	33	1074	54	1582
23-29	-	28	1025	40	1116	22	1086	24	1327	22	1136	18	1204	25	1173	25	1057	19	1104	15	1303	18	921	23	1089	20	1094	27	1609
Sept. 30 to Oct. 6	-	23	1048	40	1156	39	1125	34	1361	35	1171	28	1232	35	1208	29	1086	33	1137	47	1350	27	948	35	1124	34	1128	37	1646
Oct. 7-13	-	16	1064	5	1161	19	1144	24	1385	21	1192	23	1255	18	1226	19	1105	19	1156	22	1372	18	966	28	1152	21	1149	30	1676
14-20	-	2	1066	19	1180	20	1164	11	1396	14	1206	14	1269	16	1242	10	1115	5	1161	8	1380	6	972	8	1160	8	1157	15	1691
21-27	-	11	1077	22	1202	11	1175	25	1421	15	1221	26	1295	20	1262	10	1125	9	1170	12	1392	9	981	11	1171	10	1167	31	1722
Oct. 28 to Nov. 3	-	17	1094	13	1215	12	1187	21	1442	15	1236	18	1313	16	1278	14	1139	16	1186	15	1407	13	994	18	1180	15	1182	27	1749
Nov. 4-10	-	12	1106	17	1232	6	1193	19	1461	13	1249	14	1327	14	1292	12	1151	9	1195	7	1414	16	1010	13	1202	11	1193	28	1777
11-17	-	16	1122	7	1239	2	1195	3	1464																				

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES (FROM THE COMMENCEMENT OF THE YEAR) FOR THE PERCENTAGE OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE WHICH WAS ACTUALLY RECORDED, DURING EACH OF THE FIVE YEARS, 1880 TO 1884.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.		Principal Grazing, &c. Districts.										Channel Islands.	Means for the British Islands generally.																
	0.		1.		2.		3.		4.		5.				Means for Wheat-producing Districts.		6.		7.		8.		9.		10.		Means for Grazing, &c. Districts.			
	Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.			Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.	Weekly.	Since Dec. 30.		
PERCENTAGES OF POSSIBLE DURATION.																														
1880.																														
Dec. 30, 1879, to Jan. 5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Jan. 6-12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13-19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
20-26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Jan. 27 to Feb. 2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Feb. 3-9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
10-16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17-23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Feb. 24 to Mar. 1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mar. 2-8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
9-15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
16-22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23-29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mar. 30 to April 5	36	—	32	—	21	—	30	—	48	—	33	—	33	—	35	—	35	—	38	—	45	—	43	—	39	—	36	—	36	—
April 6-12	40	—	25	—	25	—	27	—	48	—	18	—	29	—	39	—	29	—	41	—	46	—	48	—	41	—	39	—	35	—
13-19	14	—	22	—	30	—	29	—	19	—	31	—	26	—	24	—	27	—	31	—	18	—	30	—	26	—	32	—	26	—
20-26	47	—	35	—	45	—	43	—	45	—	44	—	42	—	46	—	43	—	61	—	49	—	48	—	49	—	67	—	46	—
April 27 to May 3	23	—	44	—	51	—	49	—	45	—	47	—	47	—	48	—	57	—	55	—	55	—	56	—	54	—	66	—	51	—
May 4-10	33	—	23	—	30	—	36	—	39	—	29	—	31	—	47	—	50	—	63	—	50	—	48	—	52	—	38	—	42	—
11-17	76	—	50	—	43	—	63	—	53	—	60	—	54	—	61	—	71	—	65	—	48	—	49	—	59	—	61	—	57	—
18-24	20	—	36	—	36	—	32	—	37	—	36	—	35	—	33	—	37	—	48	—	37	—	47	—	40	—	68	—	38	—
May 25-31	47	—	41	—	41	—	37	—	36	—	46	—	40	—	32	—	36	—	38	—	40	—	37	—	37	—	61	—	38	—
June 1-7	49	—	57	—	31	—	23	—	23	—	23	—	31	—	61	—	33	—	31	—	44	—	40	—	40	—	25	—	36	—
8-14	40	—	34	—	34	—	40	—	38	—	35	—	36	—	45	—	36	—	48	—	50	—	51	—	46	—	38	—	41	—
15-21	62	—	41	—	34	—	41	—	25	—	24	—	33	—	50	—	32	—	25	—	41	—	37	—	37	—	25	—	35	—
22-28	23	—	26	—	19	—	23	—	32	—	34	—	27	—	22	—	24	—	48	—	24	—	23	—	28	—	43	—	28	—
June 29 to July 5	30	—	23	—	24	—	55	—	32	—	39	—	35	—	21	—	23	—	40	—	21	—	29	—	27	—	52	—	31	—
July 6-12	16	—	25	—	27	—	34	—	30	—	34	—	30	—	35	—	31	—	35	—	20	—	25	—	29	—	57	—	30	—
13-19	25	—	28	—	8	—	27	—	33	—	28	—	25	—	23	—	20	—	61	—	26	—	31	—	32	—	49	—	29	—
20-26	48	—	46	—	27	—	37	—	31	—	44	—	37	—	38	—	34	—	48	—	37	—	45	—	40	—	44	—	39	—
July 27 to Aug. 2	18	—	15	—	37	—	38	—	39	—	37	—	33	—	41	—	46	—	60	—	34	—	42	—	45	—	56	—	39	—
Aug. 3-9	32	—	37	—	37	—	36	—	33	—	36	—	36	—	34	—	37	—	38	—	33	—	32	—	35	—	48	—	36	—
10-16	37	—	40	—	48	—	37	—	45	—	44	—	43	—	47	—	59	—	61	—	53	—	46	—	53	—	46	—	48	—
17-23	6	—	16	—	14	—	18	—	11	—	36	—	19	—	21	—	28	—	40	—	25	—	42	—	31	—	15	—	25	—
Aug. 24-30	51	—	27	—	41	—	35	—	35	—	24	—	32	—	43	—	46	—	40	—	37	—	44	—	42	—	32	—	37	—
31-Sept. 6	33	—	49	—	60	—	61	—	51	—	53	—	55	—	38	—	39	—	48	—	39	—	40	—	41	—	49	—	48	—
Sept. 7-13	43	—	26	—	46	—	48	—	39	—	34	—	39	—	48	—	41	—	33	—	47	—	40	—	42	—	38	—	41	—
14-20	45	—	35	—	34	—	38	—	35	—	36	—	36	—	41	—	27	—	34	—	37	—	40	—	36	—	31	—	36	—
21-27	16	—	23	—	25	—	16	—	11	—	21	—	19	—	14	—	17	—	17	—	15	—	15	—	16	—	24	—	18	—
Sept. 28 to Oct. 4	18	—	41	—	44	—	24	—	22	—	34	—	33	—	41	—	28	—	34	—	33	—	42	—	36	—	60	—	35	—
Oct. 5-11	51	—	49	—	18	—	8	—	7	—	17	—	20	—	31	—	17	—	24	—	39	—	31	—	28	—	33	—	24	—
12-18	7	—	14	—	16	—	23	—	29	—	22	—	21	—	14	—	16	—	45	—	6	—	40	—	24	—	25	—	23	—
19-25	32	—	50	—	41	—	27	—	32	—	21	—	34	—	50	—	42	—	37	—	58	—	35	—	44	—	32	—	39	—
Oct. 26 to Nov. 1	37	—	33	—	27	—	27	—	18	—	26	—	26	—	31	—	29	—	25	—	28	—	32	—	29	—	46	—	28	—
Nov. 2-8	15	—	46	—	43	—	44	—	37	—	37	—	41	—	36	—	40	—	34	—	22	—	29	—	32	—	35	—	37	—
9-15	16	—	26	—	15	—	6	—	11	—	8	—	13	—	9	—	10	—	10	—	4	—	7	—	8	—	13	—	11	—
16-22	35	—	39	—	32	—	36	—	32	—	35	—	35	—	29	—	44	—	50	—	45	—	46	—	43	—	39	—	39	—
23-29	10	—	16	—	17	—	25	—	24	—	20	—	20	—	18	—	25	—	35	—	26	—	29	—	27	—	30	—	24	—
Nov. 30 to Dec. 6	13	—	17	—	19	—																								

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES (FROM THE COMMENCEMENT OF THE YEAR) FOR THE PERCENTAGE OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE WHICH WAS ACTUALLY RECORDED, DURING EACH OF THE FIVE YEARS, 1880 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.									
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DIS- TRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZ- ING, &c. DIS- TRICTS.				
	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.			Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	Weekly.	Since Jan. 4.	
PERCENTAGES OF POSSIBLE DURATION.																															
1881.																															
Jan. 4-10	-	22	22	48	48	21	21	33	33	25	25	25	25	30	30	27	27	35	35	32	32	33	33	44	44	34	34	52	52	32	32
11-17	-	14	18	30	40	37	30	34	34	22	23	23	24	29	30	21	25	35	35	38	35	19	27	30	37	29	32	35	44	29	31
18-24	-	27	21	28	36	8	22	15	28	17	21	16	22	17	26	28	26	24	32	36	36	33	29	39	38	32	32	41	43	25	29
25-31	-	15	19	29	34	12	19	19	26	14	19	13	20	18	24	10	22	26	31	28	33	23	28	37	38	25	30	27	39	21	27
Feb. 1-7	-	31	22	25	32	16	19	11	23	18	19	15	19	17	22	16	21	20	29	26	32	17	26	24	35	21	29	38	39	19	26
8-14	-	3	18	19	30	11	17	15	21	19	19	19	19	17	21	23	21	17	27	23	30	18	24	24	33	21	27	20	35	19	24
15-21	-	16	18	0	25	2	15	6	19	7	17	7	17	4	19	8	19	13	24	10	27	1	21	3	28	7	24	24	34	6	22
22-28	-	28	19	33	26	20	16	13	18	23	18	16	17	21	19	38	22	34	26	53	31	28	22	38	30	38	26	28	33	30	23
Mar. 1-7	-	29	21	24	26	23	17	31	20	19	18	21	18	24	20	8	20	16	25	18	30	15	21	20	29	15	25	25	32	20	23
8-14	-	29	22	29	27	24	18	32	21	20	19	12	17	23	20	13	19	8	23	7	27	16	20	25	28	14	23	26	31	18	22
15-21	-	8	20	39	28	36	20	52	25	46	22	41	20	43	23	33	21	28	23	47	29	26	21	20	27	31	24	54	34	37	24
22-28	-	17	20	40	30	40	22	35	26	44	24	42	22	40	25	32	22	30	24	56	32	47	24	46	30	42	26	31	34	41	26
29-April 4	-	30	21	26	32	41	24	68	30	68	28	70	27	55	28	68	27	57	28	68	36	73	29	75	34	63	31	42	34	62	30
April 5-11	-	61	26	28	31	50	27	63	33	48	30	29	27	44	30	62	30	56	30	28	35	53	31	33	35	46	32	25	34	45	31
12-18	-	53	28	32	31	18	26	36	34	31	30	36	28	31	30	31	30	25	30	32	35	25	31	30	35	29	32	38	33	30	31
19-25	-	21	28	24	31	25	26	19	32	24	30	21	27	23	29	31	31	32	30	36	35	42	32	34	35	35	33	32	33	29	31
26-May 2	-	26	27	25	30	26	26	36	33	28	30	23	27	18	29	22	30	22	30	20	34	16	31	22	34	20	32	34	33	19	31
May 3-9	-	48	29	33	32	49	28	48	34	52	31	53	29	47	31	60	32	56	32	59	36	51	32	57	35	57	33	60	35	52	32
10-16	-	29	29	46	33	41	29	43	35	44	33	42	30	43	32	47	34	49	33	69	38	48	33	56	37	54	35	69	38	49	34
17-23	-	27	29	43	34	59	31	61	37	60	34	59	32	56	34	54	35	59	35	67	40	55	35	66	39	60	37	64	39	58	36
24-30	-	53	31	70	37	72	34	58	38	40	35	42	33	56	35	55	36	49	36	48	41	41	35	47	40	48	38	41	40	52	37
May 31 to June 6	-	37	31	57	38	49	35	52	39	53	36	61	34	54	36	57	38	64	37	69	42	58	37	60	41	62	39	76	42	58	38
June 7-13	-	31	31	32	38	24	34	41	39	28	35	36	34	32	36	35	38	35	37	57	43	28	36	32	40	37	39	48	42	35	38
14-20	-	40	32	9	36	22	33	30	39	17	34	18	34	19	35	21	37	19	36	23	42	20	35	20	39	21	39	27	41	20	37
21-28	-	23	31	38	36	37	33	42	39	42	35	42	34	40	35	39	37	42	37	48	42	25	35	29	39	37	38	56	42	39	37
29-July 4	-	17	31	33	36	26	33	54	40	42	35	62	35	43	36	15	36	26	36	46	43	11	34	15	37	23	37	82	44	33	37
July 5-11	-	8	29	17	35	35	33	44	40	38	35	48	36	36	36	15	35	29	36	40	42	13	33	18	37	23	37	52	44	30	37
12-18	-	23	29	38	35	52	34	73	41	62	37	70	38	59	37	35	35	42	36	64	43	28	32	34	36	41	36	87	46	50	37
19-25	-	20	29	23	34	32	34	42	41	33	36	36	37	33	36	36	35	29	36	29	43	25	32	36	36	31	36	37	46	32	36
26-Aug. 1	-	47	29	34	34	32	34	28	41	36	36	36	37	33	36	28	34	29	35	41	43	39	32	42	37	36	36	44	46	35	36
Aug. 2-8	-	19	29	38	35	40	34	45	41	37	36	41	38	40	37	29	34	32	35	39	43	27	32	27	36	31	36	78	47	36	37
9-15	-	18	29	29	34	28	34	18	40	13	36	25	37	23	36	37	34	15	34	34	42	32	32	26	36	29	36	44	47	26	36
16-22	-	35	29	24	34	23	33	27	40	32	35	40	37	29	36	34	34	26	34	38	42	33	32	31	36	32	36	52	47	31	36
23-29	-	46	29	36	34	21	33	35	40	35	35	41	37	34	36	15	34	22	34	47	42	31	32	32	36	29	36	43	47	32	36
Aug. 30 to Sept. 5	-	34	29	22	34	11	32	17	39	15	35	21	37	17	35	34	34	25	33	56	43	42	32	43	36	40	36	37	47	29	36
Sept. 6-12	-	8	29	9	33	7	32	15	38	16	34	20	36	13	35	19	33	24	33	35	42	13	32	21	35	22	35	33	46	18	35
13-19	-	13	28	5	32	27	32	38	38	40	34	44	38	31	35	32	33	32	33	46	42	29	32	29	35	34	35	60	46	33	35
20-26	-	28	28	18	32	22	31	19	38	26	34	24	36	22	34	22	33	24	33	45	43	31	32	34	35	31	35	50	47	27	35
27-Oct. 3	-	34	29	31	32	42	32	58	38	58	35	63	37	50	35	37	33	50	33	64	43	40	32	42	35	47	35	81	47	49	35
Oct. 4-10	-	34	29	18	32	26	31	24	38	22	34	20	36	22	34	23	33	30	33	34	43	25	32	29	35	28	35	44	47	25	35
11-17	-	51	29	47	32	50	32	41	38	42	35	45	37	45	35	40	33	45	33	35	43	36	32	39	35	39	35	51	47	42	35
18-24	-	39	29	13	32	21	32	28	38	34	35	33	36	26	35	21	33	34	33	35	42	28	32	13	35	26	35	42	47	26	35
25-31	-	22	29	23	31	23	31	37	38	31	35	41	37	31	34	22	33	23	33	40	43	26	32	30	35	30	35	40	47	31	35
Nov. 1-7	-	10	29	23	31	17																									

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES (FROM THE COMMENCEMENT OF THE YEAR) FOR THE PERCENTAGE OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE WHICH WAS ACTUALLY RECORDED, DURING EACH OF THE FIVE YEARS, 1880 TO 1884—*continued.*

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.					
	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.	Weekly.	Since Jan. 3.		
PERCENTAGES OF POSSIBLE DURATION.																														
1882.																														
Jan. 3-9	13	13	49	49	28	28	28	28	35	35	30	30	34	34	15	15	17	17	28	28	21	21	32	32	23	23	36	36	29	29
10-16	10	12	14	31	8	17	8	18	8	21	3	17	8	21	2	9	4	10	5	17	6	13	6	19	5	14	10	23	7	18
17-23	6	10	27	30	26	20	4	14	13	19	7	14	15	19	8	9	10	11	10	15	25	18	23	20	15	15	3	16	15	17
24-30	18	12	29	30	13	18	15	14	6	15	2	10	13	17	11	10	16	12	13	14	21	19	20	20	16	15	19	17	15	16
Jan. 31 to Feb. 6	9	12	24	29	14	18	27	17	23	17	20	13	22	19	5	9	10	12	32	18	17	19	21	20	17	16	43	20	20	18
Feb. 7-13	8	11	23	28	15	17	15	17	15	17	14	13	16	18	16	10	15	13	23	18	25	20	15	19	19	16	32	22	18	17
14-20	20	12	51	32	39	21	27	19	55	18	23	15	39	21	28	13	22	14	31	21	29	21	28	21	28	18	45	26	34	20
21-27	8	12	43	33	19	21	4	16	5	16	9	14	16	20	9	12	9	13	13	19	11	20	14	20	11	17	41	28	13	19
Feb. 28 to Mar. 6	20	13	21	32	13	20	26	18	24	17	38	17	24	21	14	13	11	13	37	22	19	20	18	20	20	18	35	29	22	20
Mar. 7-13	21	14	41	33	30	21	26	19	24	18	18	17	28	22	23	14	17	14	21	22	25	21	36	22	24	19	9	27	26	21
14-20	10	14	49	35	55	25	66	24	50	22	67	23	57	26	27	15	41	17	54	25	42	23	39	24	41	21	77	32	49	24
21-27	47	17	53	37	26	26	33	25	33	23	39	25	37	27	38	18	27	18	40	27	36	25	39	25	36	23	52	34	37	25
28-April 3	38	20	8	34	21	26	41	27	26	23	38	26	27	27	23	17	17	18	22	27	32	26	30	26	25	23	37	35	26	25
April 4-10	48	23	39	35	60	29	69	31	53	26	60	29	56	30	63	22	57	22	66	30	51	28	63	30	60	26	74	39	58	28
11-17	25	23	11	33	9	27	28	31	27	26	29	29	21	29	16	21	18	21	27	30	21	27	21	29	21	26	34	38	21	28
18-24	23	23	35	33	26	27	30	31	38	27	37	30	33	30	29	22	29	22	44	31	36	28	36	29	35	26	53	39	34	28
25-May 1	30	24	30	33	39	28	36	31	36	28	40	31	36	30	35	23	31	23	44	32	38	29	42	30	38	27	58	41	37	29
May 2-8	37	25	30	33	33	29	28	31	47	30	42	32	36	31	42	25	49	25	52	34	46	30	58	33	49	29	49	41	45	30
9-15	55	27	44	33	57	31	58	33	55	31	53	33	53	32	59	27	64	28	53	35	62	33	58	34	59	31	66	43	56	32
16-22	80	31	65	36	72	34	79	36	62	34	68	36	69	35	72	30	72	31	66	37	75	36	68	37	71	34	72	45	70	35
23-29	47	32	60	37	47	35	53	37	39	34	40	36	48	36	43	31	40	31	37	37	41	36	44	38	41	35	47	45	45	36
May 30 to June 5	39	32	51	38	39	35	50	38	34	34	34	36	42	36	42	32	37	32	35	37	43	36	37	37	39	35	34	45	40	36
June 6-12	29	32	20	37	41	35	34	38	35	34	39	36	34	36	33	32	34	32	53	38	30	36	45	38	39	35	47	45	37	36
13-19	29	32	39	37	38	35	31	38	32	34	37	36	35	36	34	32	34	32	46	38	29	36	35	37	36	35	58	46	36	36
20-26	33	32	31	37	37	35	31	37	26	34	29	36	29	36	40	33	25	31	44	39	39	36	44	38	38	35	37	45	34	36
27-July 3	32	32	43	37	32	35	37	37	36	34	34	36	36	36	41	33	49	32	39	39	32	36	35	38	39	36	35	45	38	36
July 4-10	41	33	33	37	37	35	44	38	38	34	38	36	38	36	39	33	37	33	45	39	25	35	35	38	36	36	32	44	37	36
11-17	24	32	50	38	41	35	34	37	37	34	35	36	39	36	31	33	27	32	26	38	48	34	25	37	31	35	43	44	35	36
18-24	33	32	44	38	43	36	58	38	42	34	47	36	47	36	39	33	33	32	44	39	38	35	37	37	38	35	53	44	43	36
25-31	21	32	43	38	43	36	47	39	32	34	43	36	42	37	33	33	40	33	54	39	26	34	30	37	37	35	60	45	40	36
Aug. 1-7	12	31	31	38	53	37	43	39	45	34	50	37	44	37	38	33	32	33	56	40	17	34	36	37	36	35	68	46	40	36
8-14	15	30	58	38	49	37	40	39	45	35	36	37	46	37	50	34	51	33	46	40	39	34	48	37	47	36	58	46	47	37
15-21	22	30	27	38	33	37	43	39	29	34	29	37	32	37	34	34	37	33	39	40	38	34	38	37	37	36	46	46	35	37
22-28	17	30	24	38	27	37	25	38	24	34	33	36	27	37	30	34	15	33	31	40	16	33	21	36	23	35	46	46	25	36
Aug. 29 to Sept. 4	18	29	24	37	25	36	32	38	27	34	34	36	28	36	30	34	17	32	31	40	22	33	30	36	26	35	44	46	27	36
Sept. 5-11	45	30	56	38	42	36	44	38	43	34	42	37	45	37	51	34	41	33	60	40	50	33	52	37	51	35	38	46	48	36
12-18	36	30	24	37	35	36	37	38	48	35	49	37	39	37	38	34	40	33	51	40	35	33	43	37	41	35	62	46	40	36
19-25	17	30	2	36	12	36	30	38	19	34	28	37	18	36	14	34	16	32	22	40	24	33	28	37	21	35	51	46	20	36
26-Oct. 2	24	29	35	36	32	36	44	38	31	34	34	37	35	36	26	34	33	32	26	40	22	33	20	36	27	35	41	46	31	36
Oct. 3-9	13	29	12	36	22	35	33	38	29	34	33	36	26	36	20	33	39	32	35	39	20	35	26	36	26	35	36	46	26	36
10-16	18	29	8	35	6	35	5	37	6	33	11	36	7	35	7	33	6	32	16	39	29	33	35	36	19	35	24	46	13	35
17-23	29	29	32	35	23	34	25	37	25	33	29	36	27	35	17	33	15	31	28	39	33	33	36	36	26	34	40	45	27	35
24-30	56	29	45	35	30	34	27	37	20	33	18	35	28	35	38	33	26	31	31	39	53	33	43	36	38	34	32	45	35	35
Oct. 31 to Nov. 6	13	29	28	35	18	34	27	37	23	33	31	35	25	35	13	32	15	31	14	38	14	33	17	36	15	34	24	45	20	35
Nov. 7-13	46	29	25	35	30	34	47	37	40	33	43	35	37	35	28	32	31	31	33	38	38	33	45							

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES (FROM THE COMMENCEMENT OF THE YEAR) FOR THE PERCENTAGE OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE WHICH WAS ACTUALLY RECORDED, DURING EACH OF THE FIVE YEARS, 1880 TO 1884—*continued.*

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.						
	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.	Weekly.	Since Jan. 2.			
PERCENTAGES OF POSSIBLE DURATION.																															
1883.																															
Jan. 2-8	20	20	13	13	18	18	16	16	22	22	28	28	19	19	12	12	20	20	40	40	34	34	37	37	29	29	28	28	24	24	
9-15	29	29	2	7	2	10	14	16	13	17	14	21	9	14	15	14	18	20	13	26	14	25	15	26	15	22	32	30	12	18	
16-22	26	28	27	18	20	13	19	17	19	17	9	17	10	16	20	16	24	21	20	25	27	25	26	26	23	23	18	26	21	20	
23-29	6	22	29	21	20	15	37	22	28	20	29	20	23	20	14	15	11	19	11	21	15	23	15	23	13	20	25	26	21	20	
Jan. 30 to Feb. 5	41	20	26	22	17	16	49	28	28	22	37	24	31	22	12	15	17	19	34	24	8	20	16	22	18	20	49	31	25	21	
Feb. 6-12	23	21	23	22	16	16	22	27	28	23	24	24	23	22	34	18	29	21	23	24	33	22	33	24	27	22	33	31	25	22	
13-19	25	21	21	22	31	18	34	28	38	25	35	25	32	24	29	20	31	22	42	27	25	23	30	25	31	23	52	35	32	24	
20-26	23	22	59	28	45	22	38	30	33	26	26	26	40	26	21	20	28	23	18	25	20	22	24	25	22	23	37	35	31	25	
Feb. 27 to Mar. 5	32	23	41	30	44	25	40	31	45	29	45	28	43	29	35	22	50	28	47	28	24	23	35	26	39	25	51	37	41	27	
Mar. 6-12	30	25	39	31	32	26	43	33	41	30	46	30	40	30	39	24	40	29	56	32	37	23	43	28	43	27	54	39	42	29	
13-19	41	27	27	30	41	28	20	31	30	30	33	31	30	30	28	25	28	29	38	32	42	26	46	30	36	28	29	38	33	29	
20-26	41	28	30	30	22	27	38	32	34	31	46	32	34	30	32	26	19	28	48	34	33	27	35	31	33	29	48	39	34	30	
27-April 2	32	29	45	32	54	30	58	35	48	32	46	34	50	33	50	28	48	30	50	36	34	27	37	31	44	30	54	40	47	32	
April 3-9	29	29	48	34	49	32	61	37	58	35	61	36	55	35	54	31	56	33	59	38	65	31	65	35	60	34	61	42	58	35	
10-16	29	29	34	34	23	31	31	36	26	34	30	36	29	34	30	31	29	32	41	38	29	31	42	35	34	33	61	44	32	34	
17-23	52	31	32	33	22	30	42	37	29	33	35	36	32	34	31	31	33	32	43	39	50	32	48	36	41	34	53	45	37	34	
24-30	41	32	35	34	26	30	22	36	29	33	34	36	29	34	20	30	25	32	53	40	29	32	35	36	32	34	46	45	31	34	
May 1-7	20	31	9	32	48	31	44	36	25	32	39	36	33	33	40	31	51	33	38	39	33	32	53	38	45	35	47	45	39	34	
8-14	27	30	46	33	27	31	22	35	18	31	19	35	26	33	32	31	31	33	18	38	42	33	38	38	32	35	27	44	29	34	
15-21	31	30	37	33	40	32	48	36	33	32	45	36	41	34	38	32	42	34	49	39	38	33	57	39	45	35	73	46	43	35	
22-28	23	29	36	33	55	33	59	38	53	33	62	37	53	35	42	33	54	35	43	39	55	33	31	38	41	36	57	46	47	36	
May 29 to June 4	45	31	58	35	50	34	67	40	61	35	57	38	59	36	50	34	53	36	53	40	43	34	39	38	48	36	65	48	54	36	
June 5-11	43	32	34	35	17	33	47	40	31	35	36	38	33	36	48	35	51	37	37	40	45	34	40	39	46	37	34	47	40	37	
12-18	27	31	30	35	19	32	31	39	39	35	47	39	33	36	34	35	34	37	65	41	29	34	38	39	40	37	70	48	37	37	
19-25	41	32	27	34	25	32	28	39	21	34	29	38	36	35	25	34	22	36	21	40	25	34	26	38	24	36	45	48	30	36	
26-July 2	25	31	40	35	30	32	57	40	45	35	45	39	43	36	21	33	23	36	31	40	15	33	22	37	22	36	53	48	33	36	
July 3-9	37	32	33	34	29	32	43	40	33	35	39	39	35	36	23	33	23	35	30	39	22	32	19	37	23	35	43	48	29	36	
10-16	22	31	24	34	34	32	35	40	30	34	37	39	32	36	39	33	43	35	37	39	32	32	35	36	37	35	51	48	35	36	
17-23	29	31	15	33	32	32	27	39	16	34	21	38	22	35	40	33	31	35	23	38	28	32	24	36	29	35	27	47	26	35	
24-30	15	30	23	33	28	32	29	39	30	34	33	38	29	35	44	34	37	35	52	39	25	32	30	36	38	35	62	48	34	35	
July 31 to Aug. 6	6	29	32	33	29	32	25	38	14	33	23	37	25	35	33	34	34	35	20	38	10	31	16	35	23	35	63	48	24	35	
Aug. 7-13	33	30	29	33	38	32	50	39	44	33	54	38	43	35	29	34	29	35	41	38	26	31	32	35	31	35	67	49	37	35	
14-20	12	29	38	33	47	32	46	39	50	34	46	38	45	35	30	34	39	35	40	38	24	30	25	35	32	34	49	49	39	35	
21-27	22	29	43	33	36	33	51	39	47	34	54	39	46	36	38	34	45	35	60	39	29	30	46	35	44	35	70	49	45	36	
Aug. 28 to Sept. 3	18	28	28	33	23	32	27	39	21	34	26	38	25	35	20	33	15	35	21	39	17	30	22	34	19	34	22	48	22	35	
Sept. 4-10	49	29	39	33	42	32	37	39	36	34	30	38	37	35	41	34	38	35	42	39	38	30	38	35	39	35	32	48	38	35	
11-17	40	29	35	33	34	32	44	39	41	34	41	38	39	35	48	34	58	35	48	39	36	30	40	35	46	35	44	48	43	35	
18-24	31	29	22	33	14	32	30	39	19	34	23	38	22	35	19	34	20	35	23	39	19	30	27	35	22	35	46	48	22	35	
25-Oct. 1	20	29	25	33	21	32	39	39	33	34	43	38	32	35	32	34	23	35	37	38	28	30	37	35	31	34	29	47	32	35	
Oct. 2-8	51	30	57	33	39	32	24	39	25	33	29	38	35	35	43	34	27	35	38	38	34	30	32	35	35	34	39	47	35	35	
9-15	33	30	25	33	21	32	21	38	25	33	32	38	25	35	20	33	16	34	28	38	12	30	24	34	20	34	50	47	23	35	
16-22	19	29	48	33	47	32	50	38	50	34	38	38	47	35	30	33	33	34	39	38	31	30	36	34	34	34	27	47	41	35	
23-29	33	29	40	33	25	32	28	38	17	33	16	37	25	35	34	33	25	34	16	38	25	30	28	34	25	34	13	46	25	35	
Oct. 30 to Nov. 5	30	29	28	33	13	32	14	38	6	33	6	37	13	35	27	33	17	34	10	37	13	29	17	34	17	33	6	45	15	34	
Nov. 6-12	37	30	62	34	43	32	41	38																							

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES (FROM THE COMMENCEMENT OF THE YEAR) FOR THE PERCENTAGE OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE WHICH WAS ACTUALLY RECORDED, DURING EACH OF THE FIVE YEARS, 1880 TO 1884—continued.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.						
	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.	Weekly. Since Jan. 1.				
PERCENTAGES OF POSSIBLE DURATION.																															
1884.																															
Jan. 1-7	2	2	6	6	0	0	7	7	4	4	4	4	4	4	2	2	0	0	7	7	6	6	7	7	4	4	4	4	4	4	4
8-14	6	4	37	22	17	9	13	10	12	8	17	11	19	12	10	6	6	3	12	10	7	7	9	8	9	7	7	36	20	14	10
15-21	6	5	37	27	9	9	11	10	4	7	7	9	14	12	11	8	8	4	0	7	9	8	9	9	7	7	21	20	11	10	
22-28	4	5	25	27	17	11	24	14	23	11	24	13	23	15	16	10	10	6	12	8	14	9	15	10	14	9	22	21	19	12	
Jan. 29 to Feb. 4	14	7	24	26	0	9	12	13	9	10	6	12	10	14	15	11	12	7	9	8	15	10	17	12	14	10	18	20	12	12	
Feb. 5-11	13	8	23	26	7	8	16	14	14	11	12	12	14	14	12	6	7	19	10	23	13	22	13	17	11	25	21	16	13	13	
12-18	34	12	8	23	18	10	34	17	19	12	28	14	21	15	11	14	8	13	11	17	13	21	15	15	12	20	21	18	14	14	
19-25	31	15	35	24	27	12	25	18	32	15	29	17	29	17	24	13	23	10	17	12	26	15	24	16	23	13	38	23	26	15	
Feb. 26 to Mar. 3	38	17	15	23	11	12	26	19	20	16	21	17	19	17	12	13	18	11	10	12	7	14	10	15	11	13	25	24	15	15	
Mar. 4-10	30	19	11	22	27	14	23	19	28	17	32	19	24	18	31	15	24	13	36	15	23	15	20	16	27	15	51	27	16	17	
11-17	18	18	21	21	30	16	38	22	34	19	37	21	32	20	14	15	21	14	34	17	19	16	22	17	22	16	58	30	17	18	
18-24	24	19	44	24	35	18	48	24	40	21	40	23	41	22	29	17	32	16	46	20	26	17	34	18	33	18	60	33	38	20	
25-31	35	21	17	23	9	17	10	23	8	20	9	22	11	21	10	16	8	15	13	19	13	16	20	19	13	17	31	33	12	19	
April 1-7	38	22	19	23	36	19	38	24	23	20	25	22	28	22	33	18	31	17	23	19	32	18	48	21	33	19	18	32	31	21	
8-14	44	24	30	23	35	20	32	25	35	21	35	23	33	22	47	20	45	19	53	22	62	22	54	24	52	21	69	35	43	22	
15-21	23	24	15	23	21	20	28	25	12	21	18	23	19	22	23	21	27	20	26	23	18	21	23	24	23	22	22	34	21	22	
22-28	17	24	65	26	25	21	33	26	33	22	28	23	37	24	23	21	26	20	50	25	33	22	38	25	34	23	56	35	36	24	
April 29 to May 5	39	25	53	27	27	21	33	26	31	22	27	23	30	24	27	21	26	21	30	25	26	22	32	26	28	23	45	36	29	24	
May 6-12	26	25	27	27	33	22	55	48	48	24	52	25	43	25	21	21	29	21	37	26	23	22	30	26	28	23	62	38	36	24	
13-19	25	25	37	28	42	23	37	29	38	25	32	26	37	26	26	22	39	21	42	27	22	22	28	26	31	24	39	38	34	25	
20-26	45	26	38	28	70	26	75	32	63	27	62	28	62	28	58	24	67	25	60	29	34	23	47	27	53	26	74	40	58	27	
May 27 to June 2	40	28	33	29	28	26	34	32	29	28	39	29	33	29	37	25	37	26	45	30	43	24	46	29	42	27	64	42	38	28	
June 3-9	45	28	33	29	19	26	28	32	11	27	7	27	20	28	33	25	30	26	29	30	21	24	22	28	27	27	34	41	24	28	
10-16	16	28	35	29	41	27	52	33	46	28	43	28	43	29	38	26	51	28	55	31	24	24	33	28	40	27	60	42	42	28	
17-23	8	26	24	28	9	26	30	33	28	28	29	28	24	29	29	26	27	59	33	18	24	31	29	33	28	63	43	30	29		
24-30	38	27	35	29	62	28	59	34	46	29	56	30	52	30	34	27	40	28	38	33	24	24	28	29	33	28	58	44	43	29	
July 1-7	33	27	8	28	28	28	52	35	41	29	52	31	36	30	30	27	29	28	43	33	22	24	25	28	30	28	54	44	53	29	
8-14	35	28	29	28	42	28	40	35	26	29	29	31	33	30	34	27	30	28	41	34	46	25	43	29	39	29	25	44	36	30	
15-21	26	28	39	28	35	29	30	35	36	29	30	31	34	30	40	28	41	29	31	34	33	25	32	29	35	29	25	43	35	30	
22-28	35	28	37	29	17	23	29	35	17	29	25	30	25	30	25	28	18	28	32	34	23	25	28	29	25	29	34	42	25	30	
July 29 to Aug. 4	16	28	27	28	18	28	38	35	32	29	42	31	31	30	13	27	16	28	44	34	17	25	16	29	21	29	56	43	26	30	
Aug. 5-11	26	27	39	29	56	29	66	36	61	30	66	32	58	31	54	28	60	29	67	35	39	25	53	29	55	29	70	44	57	30	
12-18	19	27	35	29	47	29	51	36	50	31	53	33	48	32	30	28	40	29	46	36	20	25	27	29	33	29	65	45	41	31	
19-25	22	27	38	29	50	30	58	37	61	32	57	34	53	32	44	29	55	30	65	36	31	25	41	30	47	30	63	45	50	31	
Aug. 26 to Sept. 1	36	27	50	30	20	30	21	37	25	32	24	33	28	32	23	28	22	30	29	36	18	25	28	30	24	30	34	45	26	31	
Sept. 2-8	42	28	47	30	30	30	30	36	31	31	32	33	34	32	52	29	40	30	40	36	29	25	38	30	40	30	43	45	37	31	
9-15	47	28	31	30	38	30	56	37	28	31	35	33	38	32	34	29	39	30	46	37	34	25	38	30	38	30	58	45	38	31	
16-22	15	28	21	30	33	30	49	37	47	32	56	34	41	33	27	29	40	31	50	37	33	26	41	30	38	31	63	45	40	32	
23-29	34	28	49	30	27	30	30	37	26	32	22	34	31	33	30	29	23	30	18	36	22	25	29	30	24	30	33	45	28	32	
Sept. 30 to Oct. 6	29	28	51	31	49	30	43	37	44	32	36	31	45	33	37	29	42	31	59	37	34	26	44	31	43	31	46	45	44	32	
Oct. 7-13	22	28	7	30	25	30	31	37	28	32	30	34	24	33	26	29	26	31	29	37	23	26	36	31	28	31	39	45	26	32	
14-20	3	27	27	30	28	30	15	37	20	32	20	33	22	32	14	29	7	30	10	36	8	25	11	30	10	30	21	45	16	31	
21-27	17	27	33	30	16	30	37	37	22	31	37	33	29	32	14	29	14	30	17	36	12	25	15	30	14	30	44	45	22	31	
Oct. 28 to Nov. 3	27	27	31	30	18	30	31	37	23	31	26	33	24																		